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НАУЧНОМ ВЕЋУ
ИНСТИТУТА ТЕХНИЧКИХ НАУКА
СРПСКЕ АКАДЕМИЈЕ НАУКА И УМЕТНОСТИ

МОЛБА

У складу са одредбама Закона о научноистраживачкој делатности молим да покренете поступак за мој избор у звање **виши научни сарадник**.

Ради покретања поступка за избор у звање виши научни сарадник, предлажем следеће чланове Комисије:

1. Др Александра Настасовић, научни саветник, ИХТМ, председник Комисије
2. Др Зоран Ђурић, академик, ИТН САНУ
3. Др Миодраг Здујић, научни саветник, ИТН САНУ
4. Др Магдалена Стевановић, виши научни сарадник, ИТН САНУ

У прилогу достављам:

1- биографске податке
2- научну библиографију
3- Листе цитата научних радова и патената
4- Копију одлуке о стицању претходног научног звања

Подносилац молбе:

Филип Радовановић

Др Филип Радовановић, дипл.инг. технологије

Београд, 6. 6. 2016.

Др Филип Радовановић - Биографија

Филип Радовановић је рођен 14. априла 1954. године у Београду. На Технолошко-металуршком факултету Универзитета у Београду дипломирао је 1978. године на одсеку за хемијско инжењерство. По завршетку студија уписао је постдипломске студије, научно-истраживачки профил, на ТМФ у Београду. Магистрирао је 1981. године. Докторске студије је уписао 1985. године на Универзитету Синсинати, САД где је одбранио докторску тезу 1990. године.

Од 1980. до 1985. године радио је у Институту за хемију, технологију и металургију, Центар за техноекономику и програмирање развоја у Београду. У овом периоду учествовао је и руководио низом истраживачких и стручних студија рађених за потребе домаће хемијске, пластичне и гумарске индустрије. Индустријски партнери су били између осталих: Зорка-Шабац, Рекорд-Београд, ХИ Панчево, Милан Благојевић-Лучани, Магнохром-Краљево, Врело Уне-Срб, Електробосна-Јајце и Соко-Мостар. Учествовао је на изради Стратегије извоза Србије до 2000. године, студије рађене за потребе Привредне Коморе Србије.

Од 1990. до 1999. године радио је у Централној истраживачкој лабораторији фирме 3М у St. Paul, MN у САД. У периоду до 1994. године учествовао је у мултидисциплинарном тиму који је развио и комерцијализовао микропорозни ламинат за хируршке мантиле који су се користили као баријера против вируса и других патогених организама. Поред активног учешћа у техничким иновацијама везаним за овај производ, развио је низ метода тестирања контроле квалитета и водио индустријски scale-up, користећи модерне методе експерименталног дизајна и статистичке контроле процеса. Био је одговоран за технички развој који је довео до међународног трансфера технологије из САД у Јапан у области производње мембрана за употребу у дечијим пеленама. 1994. године унапређен је на место истраживача специјалисте и у том својству је био одговоран за технички развој који је довео до комерцијализације три нова производа на бази технологије термички индуковане фазне сепарације за производњу мембрана. У периоуду до 1999. године изумео је и развио нови процес за производњу мембрана термички индукованом фазном сепарацијом, као и сепаратор за литијумске батерије са побољшаним сигурносним карактеристикама. Ове активности су резултовале низом међународних патената који су наведени у прилогу.

Од 1999. до 2009. године радио је у Европској истраживачкој лабораторији фирме 3М у Neuss, Немачка. У овом периоду водио је технички развој специјалних адхезива са високом термичком проводљивошћу за употребу у електронској индустрији и адхезива за употребу у условима влаге и под водом. Од 2002. до 2004. године водио је технички део пројекта за идентификацију технологија и производа у области пречишћавања вода и развио производњу специјалних мембрана за омекшавање воде филтрацијом под ниским притиском од лабораторијског нивоа до полу-индустријског постројења. Од 2005. до 2009. године радио је као специјалиста за развој материјала и филтера за пречишћавање ваздуха у путничким возилима. У овом периоду развио је нови процес за производњу филтрационих материјала у облику ламината од

нетканог текстила и слоја са активним угљем за адсорпцију штетних издувних гасова, на чијој основи је комерцијализовано неколико производа за потребе једне од водећих светских фирми за производњу путничких возила.

Од 2010. до 2012. године радио је на Техничком Универзиту у Бечу, Аустрија на истраживању и развоју нових протон-проводних мембрана у оквиру мултинационалног пројекта MultiPlat (7. оквирни програм истраживања ЕУ). У овом периоду изумео је и развио нови процес за производњу асиметричних мембрана проводних за протоне за који је добио и међународни патент.

Од 2012. до 2016. године радио је као научни сарадник у Институту за хемију, технологију и металургију, Центар sa микроелектронске технологије на националном пројекту "Микро, нано-системи и сензори за примену у електропривреди, процесној индустрији и заштити животне средине" (МиНаСиС), ТР-32008. У овом периоду изумео је и развио нови процес за производњу мембрана са субмикрометарским адсорпционим честицама и композитних мембрана са функционалним хидрогелом, које се могу користити за детекцију и уклањање тешких метала. Резултат ових истраживања је низ радова објављених у међународним часописима, као и објављена патентна пријава код Завода за интелектуалну својину Србије. Од априла 2016. године ради као научни сарадник у Институту техничких наука Српске академије наука и уметности.

У току своје досадашње каријере Филип Радовановић је био врло ангажован у области сарадње са међународним универзитетима и институтима. 1991. године био је члан комисије за докторску дисертацију: Saeed Shojaie, Modeling and laboratory studies of dry-cast asymmetric membrane formation, Универзитет Колорадо, САД. Од 1996. до 1999, године био је представник фирме 3M у оквиру индустријске саветодавне комисије Центра за сепарације на Универзитету Колорадо. У том својству учествовао је у консултацијама при изради низа докторских радова на овом универзитету у области мембранске технологије. Од 2001. до 2003. године водио је 3M комисију за сарадњу са европским универзитетима и институтима. Од 2010. до 2012. године, у оквиру међународног пројекта MultiPlat, сарађивао је са водећим европским научно-истраживачким организацијама, као што су EPFL (École Polytechnique Federale de Lausanne)-Швајцарска, CEA (Commissariat a l'Energie Atomique)-Француска и Универзитет у Лајпцигу-Немачка. У овом периоду активно је учествовао у консултацијама за израду две докторске дисертације на Техничком Универзитету у Бечу, везано за пројект MultiPlat. Од 2013. до 2016. године, у оквиру међународног пројекта MagDrive – New permanent magnets for electric-vehicle drive applications, Grant agreement 605348, FP7-GC.SST.2013-2, сарађивао је са европским научно-истраживачким организацијама, као што су Queen Mary and Westfield College, University of London и University of Birmingham-Велика Британија и Jozef Stefan Institut-Словенија.

Филип Радовановић је аутор 12 међународних патената, преко 20 научних и стручних радова објављених у међународним и домаћим часописима, као и више од 30 презентација на међународним конгресима и саветовањима, објављених у целини или изводима. Према подацима из цитатне базе Web of Science укупан број цитата без аутоцитата је 265. Према информацијама из

база података United States Patent and Trademark Office, Espacenet и WIPO, цитирано је 10 патената кандидата, а укупан број цитата је 313. Листе цитираних радова и патената заједно са пуним референцама радова и патената у којима се ти радови и патенти цитирају дате су у прилогу.

Филип Радовановић је члан Европског друштва за мембране и Српског хемијског друштва, као и рецензент међународног часописа Journal of Environmental Chemical Engineering.

Dr Filip Radovanović – Naučna Bibliografija

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M21a i M21 - Rad u vrhunskom međunarodnom časopisu Prvih 10% ili 30% časopisa ISI liste.	**Poeni**	34
5. P. Radovanovic, M. Kellner, J. Matovic, R. Liska, and T. Koch, "Asymmetric membranes with interpenetrating proton-conducting morphology made by a combination of immersion precipitation and photopolymerization," *Journal of Membrane Science*, 401-402 (2012) 254-261, doi:10.1016/j.memsci.2012.02.012. If:		

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M23 - Rad u međunarodnom časopisu Ostali časopisi ISI liste.	**Poeni**	6
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M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini	**Broj**	1
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Od prethodnog izbora u zvanje naučni saradnik

M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini	**Poeni**	3,5
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M33 - Saopštenje sa međunarodnog skupa štampano u celini	**Broj**	11
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M33 - Saopštenje sa međunarodnog skupa štampano u celini	**Poeni**	11
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Total:	87,5	50
M10 M20 M31-33 M41-42 M51 M80 M90:	77,5	40
M21-23:	40	15
M81-83, M90-96, M101-103, M108	23	7

Извештај о цитираности радова др Филипа Радовановића

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h-index: 5

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7. T. Tomković, F. Radovanović, B. Grgur, A. Nastasović, D. Vasiljević-Radović, and A. Onjia, "Novel negatively-charged membrane adsorbers made using combination of photopolymerization and immersion precipitation," *Journal of the Serbian Chemical Society*, 81 (2016) 419-431, doi: 10.2298/JSC150805083T

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2. Y. Xie, S-S. Li, X. Jiang, T. Xiang, R. Wang, C-S. Zhao, Zwitterionic glycosyl modified polyethersulfone membranes with enhanced anti-fouling property and blood compatibility, Journal of Colloid and Interface Science, 443 (2015) 36-44.
3. X. Jiang, T. Xiang, Y. Xie, R. Wang, W. Zhao, S. Sun, C-S. Zhao, Functional polyethersulfone particles for the removal of bilirubin, Journal of Materials Science: Materials in Medicine, 27 (2016) 1-12.

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5. Stajčić, Aleksandar, Aleksandra Nastasović, Jasna Stajić-Trošić, Jelena Marković, Antonije Onjia, Filip Radovanović, Novel Membrane-Supported Hydrogel for Removal of Heavy Metals, Journal of Environmental Chemical Engineering, 3 (2015), 453–61. (Scopus)

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2. Bertagnolli, A. Grishin, T. Vincent, E. Guibal, Recovering heavy metal ions from complex solutions using polyethylenimine derivatives encapsulated in alginate matrix, Ind. Eng. Chem. Res., 55 (2016), 2461–2470.
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1. G.T. Vladisavljevič, M.B. Rajkovič, Comparison of binary gas mixture separations in single-membrane and two-membrane cascades, Hungarian Journal of Industrial Chemistry, 26 (1998) 113-119.
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1. G. Tse, D. Blankschtein, A. Shefer, S. Shefer, Thermodynamic prediction of active ingredient loading in polymeric microparticles, Journal of Controlled Release, 60 (1999) 77-100.

12. Tomkovic, Tanja, Filip Radovanovic, Aleksandra Nastasovic, Dana Vasiljevic-Radovic, Jelena Markovic, Branimir Grgur, and others, Solid Phase Extraction Membranes with Submicron Multifunctional Adsorbent Particles, European Polymer Journal, 63 (2015), 90–100.

Рад је цитиран у

1. T. Tomković, F. Radovanović, B. Grgur, A. Nastasović, D. Vasiljević-Radović, and A. Onjia, "Novel negatively-charged membrane adsorbers made using combination of photopolymerization and immersion precipitation," *Journal of the Serbian Chemical Society*, 81 (2016) 419-431, doi: 10.2298/JSC150805083T

Citirani patenti

Prema podacima iz baza podataka United States Patent and Trademark Office, Espacenet i WIPO (zakljucno sa 4. junom 2016. godine) citirano je 10 patenata.
Ukupan broj citata je 313.

M91/1 Weimer, W. K., Keenan, G. E., Kinney, R. J., Mrozinski, J. S., and **Radovanovic, P. D.**, *US 5690949*, "Microporous membrane material for preventing transmission of viral pathogens," 1997.

Citiran je u 36 patenata.

1. Patent Number(s): US20120109090 A1
Title: Absorbent Article with Barrier Component
Inventor Name(s): Nicole Anja Reichardt, Christian Springob, Brian Udengaard, Lone Kondrup Hummelgaard
Patent Assignee(s): The Procter & Gamble Company

2. Patent Number(s): US20110209812 A1; CN102248741A, DE102011000945A1
Title: Method of manufacturing composite article
Inventor Name(s): Vishal Bansal, Marni Loriel Rutkofsky
Patent Assignee(s): General Electric Company

3. Patent Number(s): WO2008045881-A1; US2008131676-A1; EP2079570-A1; CA2665646-A1; MX2009003820-A1
Title: Microporous Breathable Film with Internal Barrier Layer or Layers
Inventor Name(s): BECKE G S; CARMODY D J; DOBOSY M J
Patent Assignee(s): BECKE G S (BECK-Individual); CARMODY D J (CARM-Individual); DOBOSY M J (DOBO-Individual); PLIANT CORP (PLIA-Non-standard)

4. Patent Number(s): US20070272606 A1, US20150202577
Title: Multi-functional coatings on microporous substrates
Inventor: Donald T. Freese, Manish K. Nandi
Patent Assignee(s): Freese Donald T, Nandi Manish K

5. Patent Number(s): US20070186465 A1; CA2477027A1, CN1646004A, EP1476362A2, EP1476362A4, US20030159342, WO2003072441A2, WO2003072441A3
Title: Controlled ripening protective cover for agricultural products
Inventor: Fermin Ruiz, Fernando Espinosa, Sergio de Leon, Nick Carter
Patent Assignee(s): Fermin Ruiz, Fernando Espinosa, De Leon Sergio D, Nick Carter

6. Patent Number(s): US20070135786 A1, EP1110523A1, US20020189992, WO2001045621A1
Title: Liquid handling systems comprising three-dimensionally shaped membranes
Inventor: Mattias Schmidt, Bruno Ehrnsperger
Patent Assignee(s): The Procter & Gamble Company

7. Patent Number(s): US20060148915 A1, CN101094884A, EP1831291A1, WO2006073594A1, WO2006073594A8
Title: Microporous materials and methods of making
Inventor: Robert Floyd, Randall Swenson, James Mrozinski
Patent Assignee(s): Floyd Robert M, Swenson Randall P, Mrozinski James S

8. Patent Number(s): US20060147698 A1, CA2489362A1, EP1519982A1, WO2003106543A1
Title: Garments preventing transmission of human body odor
Inventor: Todd Carroll, John Langley
Patent Assignee(s): Kappler, Inc.

9. Patent Number(s): US20040116022 A1, WO2004030903A2, WO2004030903A3
Title: Durable waterproof composite sheet material
Inventor John Langley, Todd Carroll, Barry Hinkle, Charles Vencill
Patent Assignee(s): Kappler, Inc.

10. Patent Number(s): US20100159776 A1; US8283029
Title: Multilayer microporous films and composites for barrier protective materials, and methods
Inventor: Gregory K. Jones, Larry Hughey McAmish, Pai-Chuan Wu, Kenneth L. Lilly, Christopher Aaron Shelley, Mark Andrew Wendorf
Patent Assignee(s): Clopay Plastic Products Company

11. Patent Number(s): US8183426 B2; US20090118562, WO2009123660A2, WO2009123660A3, WO2009123660A8
Title: Decontaminating sheet material containing reactive nanocrystalline particles and products constructed therefrom
Inventor: Jason R. Cole, Philip Mann, Shyamala Rajagopalan, Olga Koper
Patent Assignee(s): Nanoscale Corporation, Kappler, Inc.

12. Patent Number(s): US8079480 B2; CA2446881A1, CA2446881C, CN1527859A, DE10292065D2, DE50210461D1, EP1392765A1, EP1392765B1, EP1884534A2, EP1884534A3, US9126147, US20040191522, US2012088095, US20150376360, WO2002092673A1
Title: Modification of drawn film
Inventor: Thomas Haring, Rima Haring

13. Patent Number(s): DE112010002882 T5; US9174420, US20110039083, WO2011019504A1
Title: Breathable Film With Internal Viral And Alcohol Barrier Layer
Inventor: Alfred Baldwin, Yuhming Chen, Bradley P. Finnigan
Patent Assignee(s): LLC

14. Patent Number(s): US2009197039-A1; US7781353-B2; US 20060003154 A1
Title: Extruded Thermoplastic Articles with Enhanced Surface Segregation of Internal Melt Additive
Inventor Name(s): POWERS M D; QUINCY R B; SNOWDEN H S
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB)

15. Patent Number(s): US2009094727-A1; US7930767-B2, US20110197331
Title: Body form-fitting rainwear
Inventor Name(s): REYNOLDS E M
Patent Assignee(s): REYNOLDS E M (REYN-Individual)

16. Patent Number(s): US2007113315-A1; US7437775-B2
Title: Body form-fitting rainwear for use as e.g. shirt, has two fabric layers respectively coupled to two sides of water 3apour3li layer with polymer material, where one fabric layer is separated from laminate
Inventor Name(s): REYNOLDS E M
Patent Assignee(s): REYNOLDS E M (REYN-Individual)

17. Patent Number(s): US2006003167-A1; US7285595-B2
Title: Synergistic fluorochemical treatment blend
Inventor Name(s): QUINCY R B; SNOWDEN H S
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB)

18. Patent Number(s): US6953510-B1
Title: Method of making microporous breathable film
Inventor Name(s): MACKAY J H; BRADY K A
Patent Assignee(s): TREDEGAR FILM PROD CORP (TRED-Non-standard)

19. Patent Number(s): US2005129922-A1; US7247369-B2
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

20. Patent Number(s): US2005123727-A1; WO2005060425-A2; EP1689501-A2; AU2004304819-A1; MX2006006143-A1; BR200417059-A; JP2007512952-W; CN1890016-A; KR2006131768-A; US7279215-B2; MX262398-B; JP4382821-B2
Title: Membrane modules and integrated membrane cassettes
Inventor Name(s): HESTER J F; COLBURN D J; DOMROESE M K; FREEMYER H T; KODY R S; SLAMA D F; ZENK P B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

21. Patent Number(s): WO2004060667-A1; AU2003277218-A1; EP1572452-A1; JP2006511376-W; EP1572452-B1; DE60315708-E; DE60315708-T2; US2008108268-A1; US7381666-B2; JP4429174-B2
Title: Breathable film and fabric having liquid and viral barrier
Inventor Name(s): LITTLE S B; QUNICY R B; ROTELLA J A; SCHORR P A; STOPPER S R; QUNICY R B I; LITTLE S; QUNICY R; ROTELLA J; SCHORR P; STOPPER S; QUINCY R B
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB); LITTLE S B (LITT-Individual); QUINCY R B (QUIN-Individual); ROTELLA J A (ROTE-Individual); SCHORR P A (SCHO-Individual); STOPPER S R (STOP-Individual); KIMBERLY-CLARK CORP (KIMB)

22. Patent Number(s): US2003203183-A1; WO2004103536-A1; EP1622703-A1; AU2004241934-A1;

BR200409669-A; MX2005012119-A1; KR2006010801-A; US7114621-B2; JP2007504000-W; MX269909-B
Title: Membrane module elements
Inventor Name(s): HESTER J F; SPIEWAK B E; MROZINSKI J S; NELSON J M
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

23. Patent Number(s): US2004002554-A1; US6854603-B2
Title: Porous membrane structure and method
Inventor Name(s): KLARE R J
Patent Assignee(s): BHA TECHNOLOGIES INC (BHAT-Non-standard)

24. Patent Number(s): US2003228459-A1; WO2003104310-A2; AU2003267958-A1; US6858290-B2; EP1511547-A2; BR200311262-A; KR2005016451-A; JP2005527694-W; MX2004011683-A1; AU2003267958-A8; EP1511547-B1; DE60309167-E; DE60309167-T2; JP4261475-B2; MX255961-B; KR988152-B1
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P; MROZINSKI J; JARIWALA C
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

25. Patent Number(s): US 6258308 B1; EP1181145A2, US6843949, US20010041487, US20030168776, WO2000069615A2, WO2000069615A3
Title: Process for adjusting WVTR and other properties of a polyolefin film
Inventor Name(s): BRADY K A; MACKAY J H
Patent Assignee(s): EXXON CHEM PATENTS INC (ESSO); TREDEGAR FILM PROD CORP (TREDNon-standard)

26. Patent Number(s): US2003104192-A1; WO2003051782-A1; AU2002334979-A1; EP1453762-A1; KR2004066162-A; JP2005511303-W; US7140495-B2; JP4680504-B2
Title: Layered sheet construction for wastewater treatment
Inventor Name(s): HESTER J F; SPIEWAK B E; HOLM D R; HALL J W; KIRK S M; DAVID M M; LAKSHMI B B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

27. Patent Number(s): US2003106130-A1; US7162746-B2
Title: Non-terminated, multi-aperture body form-fitting rainwear includes waterproof seams for sealing joined edges of first waterproof moisture 4apour permeable hydrophobic layer and first fabric layer
Inventor Name(s): REYNOLDS E M
Patent Assignee(s): REYNOLDS E M (REYN-Individual)

28. Patent Number(s): WO2003016042-A; US2003035943-A1; WO2003016042-A1; EP1420946-A1; AU2002313741-A1; KR2004032910-A; JP2004538186-W; MX2004001377-A1; BR200211912-A; HU200402361-A1; CN1625467-A; CN1311964-C; RU2305632-C2; AU2002313741-B2; TW296571-B1; JP4260623-B2; US7629042-B2; KR941184-B1
Title: Multilayer microporous films and methods

Inventor Name(s): JONES G K; MCAMISH L H; WU P; LILLY K L; SHELLEY C A; WENDORF M A; HUGHEY M L; PAI-CHUAN W; AARON S C; ANDREW W M; JONES G; LILLY K; MCAMISH L; SHELLEY C; WENDORF M
Patent Assignee(s): JONES G K (JONE-Individual); MCAMISH L H (MCAM-Individual); CLOPAY PLASTIC PROD CO INC (CLOP); CLOPAY PLASTIC PROD CO (CLOP); CLOPAY CORP (CLOP)

29. Patent Number(s): WO200289955-A; WO200289955-A1; US2002180082-A1; AU2002340901-A1;
US6824680-B2
Title: Preparation of microporous films from immiscible blends via melt processing and stretching
Inventor Name(s): CHANDAVASU C; XANTHOS M; SIRKAR K K; GOGOS C
Patent Assignee(s): NEW JERSEY INST TECHNOLOGY (NEWJ-Non-standard); CHANDAVASU C (CHAN-Individual); XANTHOS M (XANT-Individual); SIRKAR K K (SIRK-Individual); GOGOS C (GOGOIndividual)

30. Patent Number(s): WO200246063-A; WO200246063-A1; AU200147154-A; US2004062892-A1; BR200017381-A; MX2003005090-A1; AU2001247154-B2; MX272474-B
Title: Protective cover for agricultural products
Inventor Name(s): VASQUEZ J S; SANCHEZ C; RODRIGUEZ L F; SANTISTEBAN J A
Patent Assignee(s): POLYMER GROUP INC (POYM); VASQUEZ J S (VASQ-Individual); SANCHEZ C (SANC-Individual); RODRIGUEZ L F (RODR-Individual); SANTISTEBAN J A (SANT-Individual)

31. Patent Number(s): WO200166346-A; WO200166346-A1; AU200141988-A; US6638610-B1; US2004028890-A1
Title: Water and oil repellent porous materials and processes for making the same
Inventor Name(s): YAO L
Patent Assignee(s): POREX TECHNOLOGIES CORP (PORE-Non-standard)

32. Patent Number(s): US2001018096-A1; US6676993-B2
Title: Porous membrane structure and method
Inventor Name(s): KLARE R J
Patent Assignee(s): BHA TECHNOLOGIES INC (BHAT-Non-standard)

33. Patent Number(s): US6114023-A
Title: Printable microporous material
Inventor Name(s): SCHWARZ R A; ONDECK R R
Patent Assignee(s): PPG IND OHIO INC (PITT)

34. Patent Number(s): WO200047313-A; EP1154841-A; WO200047313-A1; AU9957786-A; US6228477-B1; EP1154841-A1; US6410084-B1; JP2003510377-W; CA2319003-C; EP1154841-B1; DE69917329-E; ES2221434-T3; DE69917329-T2
Title: Porous membrane structure and method
Inventor Name(s): KLARE R J; CHUBIN D E; KLARE J; CHUBIN E
Patent Assignee(s): BHA TECHNOLOGIES INC (BHAT-Non-standard)

35. Patent Number(s): US 6264864 B1; CA2346455A1, DE69911446D1, DE69911446T2, EP1121239A1, EP1121239B1, US6706228, US20010042938, WO2000023255A1, WO2000023255A9
Title: Process for producing polyolefin microporous breathable film
Inventor Name(s): MACKAY J H; BRADY K A
Patent Assignee(s): EXXON CHEM PATENTS INC (ESSO); EXXONMOBIL CHEM PATENTS INC (ESSO); EXXONMOBIL CHEM CO (ESSO)

36. Patent Number(s): WO200004957-A; EP1100592-A; WO200004957-A1; AU9921081-A; ZA9904642-A; EP1100592-A1; CZ200100268-A3; BR9912388-A; CN1311705-A; KR2001071022-A; US2002023651-A1; AU746751-B; MX2001000871-A1; JP2002521102-W; US2003005934-A1; US6584976-B2; US6805124-B2; EP1100592-B1; EP1479413-A2; DE69921660-E; ES2232108-T3; DE69921660-T2; CN1149113-C; KR544552-B1; CZ297721-B6
Title: Face mask that has a filtered exhalation valve
Inventor Name(s): JAPUNTICH D A; MCCULLOUGH N V; PETERSON J K; BAUMANN N R; BRYANT J W; HENDERSON C P; PENNING B E; MC CULLOUGH N V; JAPUNTICH A; MCCULLOUGH V; PETERSON K; BAUMANN R; BRYANT W; HENDERSON P; PENNING E
Patent Assignee(s): MINNESOTA MINING & MFG CO (MINN); 3M INNOVATIVE PROPERTIES CO (MINN)

M91/2 Weimer, W. K., Keenan, G. E., Kinney, R. J., Mrozinski, J. S., and **Radovanovic, P. D.**, *US 5738111*, "Method for preventing transmission of viral pathogens," 1998.

Citiran je u 25 patenata:

1. Patent Number(s): US20110039468 A1; DE112010003266T5, WO2011019478A1
Title: Protective apparel having breathable film layer
Inventor Name(s): Alfred Frank Baldwin, Jr., Bradley P. Finnigan, Yuhming Chen
Patent Assignee(s): Baldwin Jr Alfred Frank, Finnigan Bradley P, Yuhming Chen

2. Patent Number(s): US20100159195 A1; CA2745788A1, EP2373410A2, EP2373410A4, WO2010073153A2, WO2010073153A3
Title: High repellency materials via nanotopography and post treatment
Inventor Name(s): Roger B. Quincy, III, Ali Yahiaoui
Patent Assignee(s): Quincy Iii Roger B, Ali Yahiaoui

3. Patent Number(s): WO2008045881-A1; US2008131676-A1; EP2079570-A1; CA2665646-A1; MX2009003820-A1
Title: Microporous Breathable Film with Internal Barrier Layer or Layers
Inventor Name(s): BECKE G S; CARMODY D J; DOBOSY M J
Patent Assignee(s): BECKE G S (BECK-Individual); CARMODY D J (CARM-Individual); DOBOSY M J (DOBO-Individual); PLIANT CORP (PLIA-Non-standard)

4. Patent Number(s): US20070272606 A1, US20150202577
Title: Multi-functional coatings on microporous substrates
Inventor: Donald T. Freese, Manish K. Nandi

Patent Assignee(s): Freese Donald T, Nandi Manish K

5. Patent Number(s): US20030104192 A1; EP1453762A1, US7140495, WO2003051782A1
Title: Apparatus for substantial removal of organic substance(s) and/or nitrogen source(s) from an aqueous medium
Inventor: Jonathan Hester, Brian Spiewak, David Holm, Jerald Hall, Seth Kirk, Moses David, Brinda Lakshmi
Patent Assignee(s): 3M Innovative Properties Company

6. Patent Number(s): US20030031833 A1; JP2002363501 (A); JP3834609 (B2)
Title: Water-repellent films and method for forming such films
Inventor: Hiroyuki Sugimura, Osamu Takai
Patent Assignee(s): Hiroyuki Sugimura, Osamu Takai

7. Patent Number(s): DE112010002882 T5; US9174420, US20110039083, WO2011019504A1
Title: Breathable Film With Internal Viral And Alcohol Barrier Layer
Inventor: Alfred Baldwin, Yuhming Chen, Bradley P. Finnigan
Patent Assignee(s): LLC

8. Patent Number(s): US 8663868 B2; CN1867622A, CN1867622B, DE602004026337D1, EP1678245A1, EP1678245B1, US7338692, US8962214, US20050058821, US20080113242, US20140134518, WO2005035641A1
Title: Microporous PVDF films
Inventor Name(s): Samantha D. Smith, Gene H. Shipman, Robert M. Floyd, Harold Todd Freemyer, Steven J. Hamrock, Michael A. Yandrasits, David G. S. Walton, Weniger
Patent Assignee(s): 3M Innovative Properties Company

9. Patent Number(s): US 6264864 B1; CA2346455A1, DE69911446D1, DE69911446T2, EP1121239A1, EP1121239B1, US6706228, US20010042938, WO2000023255A1, WO2000023255A9
Title: Process for producing polyolefin microporous breathable film
Inventor Name(s): MACKAY J H; BRADY K A
Patent Assignee(s): EXXON CHEM PATENTS INC (ESSO); EXXONMOBIL CHEM PATENTS INC (ESSO); EXXONMOBIL CHEM CO (ESSO)

10. Patent Number(s): US2009197039-A1; US7781353-B2; US 20060003154 A1
Title: Extruded Thermoplastic Articles with Enhanced Surface Segregation of Internal Melt Additive
Inventor Name(s): POWERS M D; QUINCY R B; SNOWDEN H S
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB)

11. Patent Number(s): US2006003167-A1; US7285595-B2
Title: Synergistic fluorochemical treatment blend
Inventor Name(s): QUINCY R B; SNOWDEN H S
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB)

12. Patent Number(s): US6953510-B1

Title: Manufacture of microporous breathable film used in diapers, adult incontinence devices, or surgical garments, comprises selecting film forming polyolefin precursor, blending precursor with filler, and combining blend with additive
Inventor Name(s): MACKAY J H; BRADY K A
Patent Assignee(s): TREDEGAR FILM PROD CORP (TRED-Non-standard)

13. Patent Number(s): US2005123727-A1; WO2005060425-A2; EP1689501-A2; AU2004304819-A1; MX2006006143-A1; BR200417059-A; JP2007512952-W; CN1890016-A; KR2006131768-A; US7279215-B2; MX262398-B; JP4382821-B2
Title: Membrane modules and integrated membrane cassettes
Inventor Name(s): HESTER J F; COLBURN D J; DOMROESE M K; FREEMYER H T; KODY R S; SLAMA D F; ZENK P B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

14. Patent Number(s): WO2004060667-A1; AU2003277218-A1; EP1572452-A1; JP2006511376-W; EP1572452-B1; DE60315708-E; DE60315708-T2; US2008108268-A1; US7381666-B2; JP4429174-B2
Title: Breathable film and fabric having liquid and viral barrier
Inventor Name(s): LITTLE S B; QUNICY R B; ROTELLA J A; SCHORR P A; STOPPER S R; QUNICY R B I; LITTLE S; QUNICY R; ROTELLA J; SCHORR P; STOPPER S; QUINCY R B
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB); LITTLE S B (LITT-Individual); QUINCY R B (QUIN-Individual); ROTELLA J A (ROTE-Individual); SCHORR P A (SCHO-Individual); STOPPER S R (STOP-Individual); KIMBERLY-CLARK CORP (KIMB)

15. Patent Number(s): US2003203183-A1; WO2004103536-A1; EP1622703-A1; AU2004241934-A1; BR200409669-A; MX2005012119-A1; KR2006010801-A; US7114621-B2; JP2007504000-W; MX269909-B
Title: Membrane module elements
Inventor Name(s): HESTER J F; SPIEWAK B E; MROZINSKI J S; NELSON J M
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

16. Patent Number(s): US2004002554-A1; US6854603-B2; US 6676993 B2
Title: Porous membrane structure and method
Inventor Name(s): KLARE R J
Patent Assignee(s): BHA TECHNOLOGIES INC (BHAT-Non-standard)

17. Patent Number(s): US2003228459-A1; WO2003104310-A2; AU2003267958-A1; US6858290-B2; EP1511547-A2; BR200311262-A; KR2005016451-A; JP2005527694-W; MX2004011683-A1; AU2003267958-A8; EP1511547-B1; DE60309167-E; DE60309167-T2; JP4261475-B2; MX255961-B; KR988152-B1, CA2487104A1, DE60309167D1, DE60309167T2, US7247369, US20050129922, WO2003104310A3, WO2003104310A8,
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P; MROZINSKI J; JARIWALA C
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

18. Patent Number(s): US2003168776-A1; US6843949-B2

Title: Production of breathable film composite comprises providing film composite having first and second layers, and passing first and second layers between pair of interdigitating grooved rollers
Inventor Name(s): BRADY K A; MACKAY J H
Patent Assignee(s): EXXON CHEM PATENTS INC (ESSO); TREDEGAR FILM PROD CORP (TREDNon-standard)

19. Patent Number(s): US2003104192-A1; WO2003051782-A1; AU2002334979-A1; EP1453762-A1; KR2004066162-A; JP2005511303-W; US7140495-B2; JP4680504-B2
Title: Layered sheet construction for wastewater treatment
Inventor Name(s): HESTER J F; SPIEWAK B E; HOLM D R; HALL J W; KIRK S M; DAVID M M; LAKSHMI B B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

20. Patent Number(s): WO200166346-A; WO200166346-A1; AU200141988-A; US6638610-B1; US2004028890-A1
Title: Porous hydrophobic and/or oleophobic material, used for filters, vents, and pipette tips, has a specified surface energy and comprises a sintered porous thermoplastic substrate, coated with a high molecular weight fluorochemical
Inventor Name(s): YAO L
Patent Assignee(s): POREX TECHNOLOGIES CORP (PORE-Non-standard)

21. Patent Number(s): US2001018096-A1; US6676993-B2
Title: Treatment of a membrane, for e.g. filter elements, comprise dispersing oleophobic fluoropolymer solids in the pores of the membrane followed by stabilization of the dispersion and coalescence of the fluoropolymer solid
Inventor Name(s): KLARE R J
Patent Assignee(s): BHA TECHNOLOGIES INC (BHAT-Non-standard)

22. Patent Number(s): WO200047313-A; EP1154841-A; WO200047313-A1; AU9957786-A; US6228477-B1; EP1154841-A1; US6410084-B1; JP2003510377-W; CA2319003-C; EP1154841-B1; DE69917329-E; ES2221434-T3; DE69917329-T2
Title: Porous membrane structure and method
Inventor Name(s): KLARE R J; CHUBIN D E; KLARE J; CHUBIN E
Patent Assignee(s): BHA TECHNOLOGIES INC (BHAT-Non-standard)

23. Patent Number(s): US 6258308 B1; EP1181145A2, US6843949, US20010041487, US20030168776, WO2000069615A2, WO2000069615A3
Title: Process for adjusting WVTR and other properties of a polyolefin film
Inventor Name(s): MACKAY J H; BRADY K A
Patent Assignee(s): EXXON CHEM PATENTS INC (ESSO); EXXONMOBIL CHEM PATENTS INC (ESSO); EXXONMOBIL CHEM CO (ESSO)

24. Patent Number(s): WO9834977-A; EP960154-A; FR2759087-A1; WO9834977-A1; AU9861058-A;
EP960154-A1; CN1246877-A; JP2001511825-W; CN1341679-A; AU749708-B; EP960154-B1;

DE69810752-E; US2003157314-A1; US2003175494-A1; ES2192321-T3; US6702965-B2; CN1139622-C; US6962745-B2; CA2295841-C; US7384686-B2; JP2009197227-A; CN1341679-B
Title: Porous composite product particularly with high specific surface area, method for preparing and electrode for electrochemical assembly formed with a porous composite film.
Inventor Name(s): PENNEAU J F; CAPITAINE F; LE GOFF P; PENNEAU J; PENNEAU J -; LEGOFF P; KAPITAN F; LEIGOFE P; PAINGNO J
Patent Assignee(s): ELECTRICITE DE FRANCE (ELEC); BOLLORE TECHNOLOGIES (BOLLNon-standard); BOLLORE O (BOLL-Individual); BOLLORE SA (BOLL-Non-standard); BOLLORE (BOLLNon-standard); PENNEAU J (PENN-Individual); CAPITAINE F (CAPI-Individual); LE GOFF P (LGOFIndividual)

25. Patent Number(s): WO9808595-A; WO9808595-A2; AU9746463-A; EP949959-A2; JP2001500542-W; AU740682-B; US6413621-B1; US2002155311-A1; US2003198825-A1; CA2263582-C; JP2007182571-A; EP949959-B1; DE69738823-E; JP2009079224-A; JP4406713-B2; AU200215479-A; AU771431-B2; AU2004202856-A1, US20030198825 A1
Title: Polymeric membranes and other polymer articles having desired surface characteristics and method for their preparation
Inventor Name(s): MAYES A M; WALTON D G; HESTER J F; MASTER J F; MAYES A; WALTON D; HESTER J
Patent Assignee(s): MASSACHUSETTS INST TECHNOLOGY (MASI); MAYES A M (MAYE-Individual); WALTON D G (WALT-Individual); MASTER J F (MAST-Individual)

M91/3 Weimer, W. K., Keenan, G. E., Kinney, R. J., Mrozinski, J. S., and **Radovanovic, P. D.**, *US 5935370*, "Method for laminating a viral barrier microporous membrane to a nonwoven web to prevent transmission of viral pathogens," 1999.

Citiran je u 21 patenatu.

1. Patent Number(s): US20110039468 A1; DE112010003266T5, WO2011019478A1
Title: Protective apparel having breathable film layer
Inventor Name(s): Alfred Frank Baldwin, Jr., Bradley P. Finnigan, Yuhming Chen
Patent Assignee(s): Baldwin Jr Alfred Frank, Finnigan Bradley P, Yuhming Chen

2. Patent Number(s): US20070272606 A1, US20150202577
Title: Multi-functional coatings on microporous substrates
Inventor: Donald T. Freese, Manish K. Nandi
Patent Assignee(s): Freese Donald T, Nandi Manish K

3. Patent Number(s): US20060094320 A1, EP1819859A1, WO2006049663A1
Title: Gradient nanofiber materials and methods for making same
Inventor: Fung-Jou Chen, Lei Huang, Jeffrey Lindsay
Patent Assignee(s): Kimberly-Clark Worldwide, Inc.

4. Patent Number(s): US20060021302 A1, EP1771210A1, WO2006015329A1
Title: Anti-microbial air filter

Inventor: Bobby Bernard
Patent Assignee(s): Bernard Bobby L

5. Patent Number(s): US20050245162 A1; CN1950555A, CN1950555B, DE602005014463D1, EP1740364A1, EP1740364B1, WO2005110719A1
Title: Multi-capable elastic laminate process
Inventor: Ann McCormack, Keith Loveless, Wing-Chak Ng
Patent Assignee(s): Kimberly-Clark Worldwide, Inc.

6. Patent Number(s): DE112010002882 T5; US9174420, US20110039083, WO2011019504A1
Title: Breathable Film With Internal Viral And Alcohol Barrier Layer
Inventor: Alfred Baldwin, Yuhming Chen, Bradley P. Finnigan
Patent Assignee(s): LLC

7. Patent Number(s): US8367570 B2, US8367570, US20130190709, US 20060246798 A1
Title: Mechanically strong absorbent non-woven fibrous mats
Inventor Name(s): Darrell H. Reneker, Daniel J. Smith
Patent Assignee(s): The University Of Akron

8. Patent Number(s): US7765647-B2, EP1490538A2, EP1490538A4, EP1490538B1, US7765647, US8240009, US20110028878, WO2003086234A2, WO2003086234A3, US 20060153904 A1
Title: Non-woven fiber assemblies
Inventor Name(s): RENEKER D H; SMITH D J
Patent Assignee(s): UNIV AKRON (UYAK)

9. Patent Number(s): DE102009003485-A1; GB2457786-A; US2009211581-A1; KR2009092237-A; CN101558913-A
Title: Respiratory mask with microporous membrane and activated carbon
Inventor Name(s): BANSAL V
Patent Assignee(s): BHA GROUP INC (BHAB-Non-standard); BANSAL V (BANS-Individual)

10. Patent Number(s): WO2009065092-A1; US2010272941-A1
Title: Durable water- and oil- resistant, breathable microporous membrane
Inventor Name(s): GERTS S; LEE D; PEKELA R W; ROGERS C; SRINIVAS C; CHERUKUPALLI S; PEKALA R W
Patent Assignee(s): ENTEK MEMBRANES LLC (ENTE-Non-standard)

11. Patent Number(s): WO2006049664-A1; EP1834019-A1; KR2007073851-A; US7390760-B1; US2008160856-A1; MX2007005264-A1; MX272145-B; EP1834019-B1; DE602005025252-E
Title: Composite nanofiber materials and methods for making same
Inventor Name(s): CHEN F; HUANG L; LINDSAY J D; LINDSAY J; CHEN F J
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB)

12. Patent Number(s): US2006052495-A1; WO2006028720-A1; US7230043-B2
Title: Hydrophilic polymer composition
Inventor Name(s): KLUN T P; BOARDMAN L D; ROSS R B; CALDWELL G A

Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

13. Patent Number(s): US2005129922-A1; US7247369-B2
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

14. Patent Number(s): WO2004060667-A1; AU2003277218-A1; EP1572452-A1; JP2006511376-W; EP1572452-B1; DE60315708-E; DE60315708-T2; US2008108268-A1; US7381666-B2; JP4429174-B2
Title: Breathable film and fabric having liquid and viral barrier
Inventor Name(s): LITTLE S B; QUNICY R B; ROTELLA J A; SCHORR P A; STOPPER S R; QUNICY R B I; LITTLE S; QUNICY R; ROTELLA J; SCHORR P; STOPPER S; QUINCY R B
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB); LITTLE S B (LITT-Individual); QUINCY R B (QUIN-Individual); ROTELLA J A (ROTE-Individual); SCHORR P A (SCHO-Individual); STOPPER S R (STOP-Individual); KIMBERLY-CLARK CORP (KIMB)

15. Patent Number(s): US2003228459-A1; WO2003104310-A2; AU2003267958-A1; US6858290-B2; EP1511547-A2; BR200311262-A; KR2005016451-A; JP2005527694-W; MX2004011683-A1; AU2003267958-A8; EP1511547-B1; DE60309167-E; DE60309167-T2; JP4261475-B2; MX255961-B; KR988152-B1, CA2487104A1, DE60309167D1, DE60309167T2, US7247369, US20050129922, WO2003104310A3, WO2003104310A8,
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P; MROZINSKI J; JARIWALA C
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

16. Patent Number(s): WO2003086234-A2; AU2003228460-A1; EP1490538-A2; KR2005018653-A; JP2006501373-W; AU2003228460-A8; US2006153904-A1; US2011028878-A1; KR2011013496-A; KR1027550-B1
Title: Non-woven fiber assemblies
Inventor Name(s): SMITH D; RENEKER D; SMITH D H; RENEKER D H; SMITH D J
Patent Assignee(s): UNIV AKRON (UYAK); SMITH D H (SMIT-Individual); RENEKER D H (RENEIndividual)

17. Patent Number(s): WO2003039713-A; WO2003039713-A1; US20040020367-A1; EP1441831-A1;
AU2002363423-A1; US6872241-B2; JP2005508245-W; CN1604810-A; MX2004003603-A1
Title: Anti-pathogenic air filtration media and air handling devices having protective capabilities against infectious airborne mircoorganisms
Inventor Name(s): SOANE D S; TAGGE C D
Patent Assignee(s): INNOVATIVE CONSTR & BUILDING MATERIALS L (INNO-Non-standard); SOANE D S (SOAN-Individual); TAGGE C D (TAGG-Individual); INNOVATIVE CONSTR & BUILDING MATERIAL CO LTD (INNO-Non-standard)

18. Patent Number(s): WO200234376-A; WO200234376-A1; AU200191212-A; CA2425270A1, CA2425270C, DE60120207D1, DE60120207T2, EP1326703A1, EP1326703B1, WO2002034375A1
Title: Laminates of asymmetric membranes

Inventor Name(s): WANG I; DITTER J F; LAMON S; BENSON T; SARABIA R; GAUGHAN M; MORRIS R; MCDONOGH R
Patent Assignee(s): USF FILTRATION & SEPARATIONS GROUP INC (USFF-Non-standard)

19. Patent Number(s): WO200234375-A; EP1326703-A; WO200234375-A1; AU200195065-A; EP1326703-A1; US6596112-B1; JP2004512164-W; US2005260381-A1; EP1326703-B1; DE60120207-E; DE60120207-T2; CA2425270-C; US7851043-B2, US7851043 B2
Title: Laminates of asymmetric membranes
Inventor Name(s): DITTER J F; MCDONOGH R; LAMON S; BENSON T; SARABIA R; GAUGHAN M; WANG I; MORRIS R; DITTER J; MORRRIS R; DITTER F
Patent Assignee(s): USF FILTRATION & SEPARATIONS GROUP INC (USFF-Non-standard); PALL CORP (PALL); DITTER J (DITT-Individual); MCDONOGH R (MCDO-Individual); LAMON S (LAMO-Individual); BENSON T (BENS-Individual); SARABIA R (SARA-Individual); GAUGHAN M (GAUG-Individual); WANG I (WANG-Individual); MORRRIS R (MORR-Individual)

20. Patent Number(s): US6364247-B1
Title: Pneumatic floatation device for continuous web processing system, has micro porous sheet with internal and external layers to maintain air circulation during contact support
Inventor Name(s): POLKINGHORNE D T
Patent Assignee(s): POLKINGHORNE D T (POLK-Individual)

21. Patent Number(s): WO200164185-A; EP1259190-A; WO200164185-A2; AU200141791-A; EP1259190-A2; JP2003525082-W; US6617151-B1; EP1259190-B1; DE60103024-E; US2004191893-A1; CA2401492-C; US2007026515-A1
Title: Cell or drug encapsulation device having a wet seal
Inventor Name(s): NEWMAN S C; KRAM B H; HUBBARD T A
Patent Assignee(s): GORE ENTERPRISE HOLDINGS INC (GORE); NEWMAN S C (NEWM-Individual); KRAM B H (KRAM-Individual); HUBBARD T A (HUBB-Individual)

M91/4 Weimer, W. K., Keenan, G. E., Kinney, R. J., Mrozinski, J. S., and **Radovanovic, P. D.**, *US 5981038*, "Laminate preventing transmission of viral pathogens," 1999.

Citiran je u 17 patenata.

1. Patent Number(s): US20110039468 A1; DE112010003266T5, WO2011019478A1
Title: Protective apparel having breathable film layer
Inventor Name(s): Alfred Frank Baldwin, Jr., Bradley P. Finnigan, Yuhming Chen
Patent Assignee(s): Baldwin Jr Alfred Frank, Finnigan Bradley P, Yuhming Chen

2. Patent Number(s): US20080200890 A1, CN102046213A, EP2274021A2, WO2009126512A2, WO2009126512A3
Title: Antimicrobial disposable absorbent articles
Inventor: Leigh E. Wood, Alexis S. Statham, Francis E. Porbeni, Robert J. Maki, Jeremy M. Yarwood, Matthew J. Schmid, Ronald W. Ausen, Jay M. Jennen, Kelly S. ANDERSON, Matthew T. Scholz, Robert W. Peterson, Erin A. Meulners

Patent Assignee(s): 3M Innovative Properties Company

3. Patent Number(s): US20080142023 A1, CN101557708A, CN101557708B, CN104304243A, EP2101572A2, EP2101572A4, EP2101572B1, EP2907387A1, WO2008133724A2, WO2008133724A3
Title: Biocompatible antimicrobial compositions
Inventor: Matthew J. Schmid, Ronald W. Ausen, Jay M. Jennen, Kelly S. ANDERSON, Matthew T. Scholz, Robert W. Peterson, Erin A. Meulners
Patent Assignee(s): 3M Innovative Properties Company

4. Patent Number(s): US20070272606 A1, US20150202577
Title: Multi-functional coatings on microporous substrates
Inventor: Donald T. Freese, Manish K. Nandi
Patent Assignee(s): Freese Donald T, Nandi Manish K

5. Patent Number(s): US20030075828 A1
Title: Solvent resistant glove
Inventor Name(s): Jonathan Thomas, Angela Bryant
Patent Assignee(s): Thomas Jonathan David, Angela Bryant

6. Patent Number(s): WO2011019478-A1; US2011039468-A1, DE112010003266T5
Title: Protective apparel having breathable film layer
Inventor Name(s): BALDWIN A F; FINNIGAN B P; CHEN Y
Patent Assignee(s): PRECISION FABRICS GROUP INC (PREC-Non-standard); BALDWIN A F (BALDIndividual); FINNIGAN B P (FINN-Individual)

7. Patent Number(s): US2009094727-A1; US7930767-B2, US20090094727
Title: Body form-fitting rainwear
Inventor Name(s): REYNOLDS E M
Patent Assignee(s): REYNOLDS E M (REYN-Individual)

8. Patent Number(s): WO2008045881-A1; US2008131676-A1; EP2079570-A1; CA2665646-A1; MX2009003820-A1
Title: Microporous Breathable Film with Internal Barrier Layer or Layers
Inventor Name(s): BECKE G S; CARMODY D J; DOBOSY M J
Patent Assignee(s): BECKE G S (BECK-Individual); CARMODY D J (CARM-Individual); DOBOSY M J (DOBO-Individual); PLIANT CORP (PLIA-Non-standard)

9. Patent Number(s): US2007113315-A1; US7437775-B2
Title: Body form-fitting rainwear for use as e.g. shirt, has two fabric layers respectively coupled to two sides of water repellant layer with polymer material, where one fabric layer is separated from laminate
Inventor Name(s): REYNOLDS E M
Patent Assignee(s): REYNOLDS E M (REYN-Individual)

10. Patent Number(s): US2006052495-A1; WO2006028720-A1; US7230043-B2
Title: Hydrophilic polymer composition
Inventor Name(s): KLUN T P; BOARDMAN L D; ROSS R B; CALDWELL G A

Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

11. Patent Number(s): US2005129922-A1; US7247369-B2
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

12. Patent Number(s): WO2004060667-A1; AU2003277218-A1; EP1572452-A1; JP2006511376-W; EP1572452-B1; DE60315708-E; DE60315708-T2; US2008108268-A1; US7381666-B2; JP4429174-B2, US 7381666 B2
Title: Breathable film and fabric having liquid and viral barrier
Inventor Name(s): LITTLE S B; QUNICY R B; ROTELLA J A; SCHORR P A; STOPPER S R; QUNICY R B I; LITTLE S; QUNICY R; ROTELLA J; SCHORR P; STOPPER S; QUINCY R B
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB); LITTLE S B (LITT-Individual); QUINCY R B (QUIN-Individual); ROTELLA J A (ROTE-Individual); SCHORR P A (SCHO-Individual); STOPPER S R (STOP-Individual); KIMBERLY-CLARK CORP (KIMB)

13. Patent Number(s): US2003228459-A1; WO2003104310-A2; AU2003267958-A1; US6858290-B2; EP1511547-A2; BR200311262-A; KR2005016451-A; JP2005527694-W; MX2004011683-A1; AU2003267958-A8; EP1511547-B1; DE60309167-E; DE60309167-T2; JP4261475-B2; MX255961-B; KR988152-B1
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P; MROZINSKI J; JARIWALA C
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

14. Patent Number(s): US20070283808
Title: Air filter with fine fiber and spun bonded media
Inventor Name(s): CHUNG H Y; HALL J R B; GOGINS M A; CROFOOT D G; WEIK T M; BARRIS M A; CHUNG H; HALL J; GOGINS M; CROPOOT D; WEIK T; HOO Y C; BONNER H J R; GRANT C D; MOORE W T; CROFOOT D; FERRER I; LAICER C S
Patent Assignee(s): Donaldson Company, Inc.

15. Patent Number(s): US20030045849 A1, CA2446401A1, EP1401653A1, WO2002087876A1
Patent Number(s): Medical laminate with viral barrier
Inventor Name(s): John Steffen, Keith Wilbourn
Patent Assignee(s): Polymer Group, Inc.

16. Patent Number(s): CA2419770A1, CA2419770C, CN1318512C, CN1543487A, EP1358272A2, EP1358272B1, EP2730327A2, EP2730327A3, EP2740524A1, US6743273, US6924028, US6955775, US7070640, US7090715, US7179317, US7318852, US7318853, US8029588, US8118901, US8366797, US8512431, US8709118, US20030106294, US20040060268, US20040060269, US20040123572, US20040187454, US20070012007, US20070271883, US20070271891, US20080110822, US20100064645, US20100178507, US20120204527, US20130001154, US20130199992, US20140196420, WO2002020668A2, WO2002020668A3, US 20110067369 A1
Title: Fine fiber media layer (Process if making fine fiber material, Polymer, polymer microfiber, polymer nanofiber and applications including filter structures)

Inventor Name(s): GOGINS M A; WEIK T M; CHUNG H Y; HALL J R B; CROFOOT D G; GOGINS M; WEIK T; COGINS M A; BENSON J D; GILLINGHAM G; GILLINGHAM G R
Patent Assignee(s): DONALDSON CO INC (DOND); GOGINS M A (GOGI-Individual); WEIK T M (WEIKIndividual)

17. Patent Number(s): WO200140448-A; WO200140448-A1; AU200118113-A; US2001034055-A1; US6861001-B2; US2005247630-A1; US7160464-B2
Title: Methods for removal, purification, and concentration of viruses and methods of therapy based thereupon
Inventor Name(s): LEE W; MORGAN J R; YARMUSH M L
Patent Assignee(s): GEN HOSPITAL CORP (GEHO); LEE W (LEEW-Individual); MORGAN J R (MORGIndividual); YARMUSH M L (YARM-Individual)

M91/5 Mrozinski, J. S., Burleigh, M. B., **Radovanovic, P. D.**, and Johnson, B. D., *US 5989698*, "Coated porous materials," 1999. Obljavljen je i kao WO9834718 (A1), US2001000183 (A1), JP2001511826 (A), JP3876326 (B2), EP0956148 (A1), EP0956148 (B1), DE69718936 (T2), CN1245445 (A), CN1134287 (C), AU4818197 (A).

Citiran je u 31 patenatu:

1. Patent Number(s): US20050147757 A1, CN1905930A, CN100509107C, EP1711245A1, EP1711245A4, WO2005068046A1
Title: Method for wetting hydrophobic porous polymeric membranes to improve water flux without alcohol treatment
Inventor Name(s): Il Roh, Craig Bartels
Patent Assignee(s): Roh Il J., Bartels Craig R.

2. Patent Number(s): US20090110833 A1, CA2703512A1, CN101918186A, EP2217420A2, EP2217420A4, WO2009059020A2, WO2009059020A3
Title: Method for abrasion-resistant non-stick surface treatments for pelletization and drying process equipment components
Inventor Name(s): Roger Blake Wright, Duane Allen Boothe, Walter Kevin Umphlett
Patent Assignee(s): Gala Industries, Inc.

3. Patent Number(s): US20110027528 A1
Title: Gas diffuser membrane with coated substrate and method for manufacturing the same
Inventor Name(s): Charles E. Tharp, Warrick S. Wadman, David A. Capron, Glen K. Wylie
Patent Assignee(s): Tharp Charles E, Wadman Warrick S, Capron David A, Wylie Glen K

4. Patent Number(s): US20080003405 A1, US7815974, US8172207, US20110003115
Title: Gas diffuser membrane with coated substrate
Inventor Name(s): Charles E. Tharp
Patent Assignee(s): Tharp Charles E

5. Patent Number(s): US20070001323 A1
Title: Multi-layered membrane for air diffuser

Inventor Name(s): Seoungil Kang
Patent Assignee(s): Seoungil Kang

6. Patent Number(s): US20060057435 A1; CA2580045A1, CN101432922A, EP1810356A2, EP1810356A4, US20060057437, WO2006059239A2, WO2006059239A3
Title: Method and apparatus for preventing fuel decomposition in a direct liquid fuel cell (Direct liquid fuel cell and method of peventing fuel decomposition in a direct liquid fuel cell)
Inventor Name(s): Gennadi Finkelshtain, Yuri Katsman, Ilan Sadon, Mark Estrin, Alexander Litvinov, Boris Ilyushin, Alexander Chinak
Patent Assignee(s): Medis Technologies Ltd

7. Patent Number(s): US20050260481 A1, CA2567057A1, CN101432913A, EP1751815A2, EP1751815A4, WO2006016281A2, WO2006016281A3
Title: Disposable fuel cell with and without cartridge and method of making and using the fuel cell and cartridge
Inventor Name(s): Gennadi Finkelshtain, Mark Estrin, Moti Meron, Eric Torgeman, Yuri Katsman, Alexander Silberman
Patent Assignee(s): Gennadi Finkelshtain, Mark Estrin, Moti Meron, Eric Torgeman, Yuri Katsman, Alexander Silberman

8. Patent Number(s): US20050158609 A1
Title: Hydride-based fuel cell designed for the elimination of hydrogen formed therein
Inventor Name(s): Gennadi Finkelshtain, Alexander Silberman, Mark Estrin, Igor Derzy, Emilio Sanchez-Cortezon, James Miners, Pascal Gouerec
Patent Assignee(s): Gennadi Finkelshtain, Alexander Silberman, Mark Estrin, Igor Derzy, Emilio Sanchez-Cortezon, Miners James H., Pascal Gouerec

9. Patent Number(s): WO2003020425-A; WO2003020425-A1; US2003096424-A1; US2003124332-A1;
EP1427532-A1; AU2002332719-A1; JP2005501758-W; CN1578702-A; IN200400623-P4; US7094464-B2; US2006280931-A1; EP1427532-B1; CN1281323-C; DE60218187-E; DE60218187-T2; US7456025-B2; US7507469-B2; JP4652684-B2
Title: Sintered polymer membrane for analyte detection device
Inventor Name(s): MAO G; GREENE G W; YAO L; COPPOLA R J; GREENE G; GUOQIANG M; GEORGE G; LI Y; GREENE W; YAO G
Patent Assignee(s): POREX CORP (PORE-Non-standard); MAO G (MAOG-Individual); COPPOLA R J (COPP-Individual); GREENE G W (GREE-Individual); YAO L (YAOL-Individual); GREENE G (GREEIndividual)

10. Patent Number(s): WO200166346-A; WO200166346-A1; AU200141988-A; US6638610-B1; US2004028890-A1
Title: Water and oil repellent porous materials and processes for making the same
Inventor Name(s): YAO L
Patent Assignee(s): POREX TECHNOLOGIES CORP (PORE-Non-standard)

11. Patent Number(s): WO200072941-A; EP1187666-A; WO200072941-A1; AU200050494-A; US6355081-B1; EP1187666-A1; US2002139095-A1; JP2003500180-W

Title: Oleophobic filter materials for filter venting applications
Inventor Name(s): WANG I; MC DONOGH R; MCDONOGH R
Patent Assignee(s): USF FILTRATION & SEPARATIONS GROUP INC (USFF-Non-standard); WANG I (WANG-Individual); MCDONOGH R (MCDO-Individual)

12. Patent Number(s): US6672135 B2, EP1251935A1, US20030192363, WO2001051177A1
Title: Filter for gas analysis
Inventor Name(s): Joseph G. Adiletta
Patent Assignee(s): Pall Corporation

13. Patent Number(s): US2004021238-A1; WO2004014638-A1; AU2003253378-A1; US6843940-B2; EP1539468-A1; JP2005534544-W; CN1675052-A; EP1539468-B1; DE60303817-E; DE60303817-T2; CN100534770-C; JP4384980-B2
Title: Method and mold for molding plastic lenses (Method for molding plastic lenses)
Inventor Name(s): REED J A; BORYSLAWSKI J; REED J; REED A
Patent Assignee(s): ESSILOR INT CIE GEN OPTIQUE SA (ESSI); ESSILOR INT (ESSI); ESSILOR INT CIE
GEN OPTIQUE (ESSI); CIE GEN OPTIQUE ESSILOR INT SA (ESSI)

14. Patent Number(s): US2005129922-A1; US7247369-B2
Title: Fluid repellent microporous materials
Inventor Name(s): MROZINSKI J S; JARIWALA C P
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

15. Patent Number(s): US2004102552-A1; WO2004048485-A1; AU2003272678-A1; BR200306563-A; US6897251-B2; EP1563019-A1; JP2006507391-W; MX249621-B; JP4567461-B2
Title: Clearcoat compositions and method of reducing the ability of rain to bead on a film of the clearcoat composition
Inventor Name(s): BOISSEAU J E; DESKOVITZ P; BOISSEAU J
Patent Assignee(s): BASF CORP (BADI)

16. Patent Number(s): EP1449666-A1; US2004165040-A1; JP2004255875-A; CN1524706-A; US6969165-B2; TW200416147-A; TW296576-B1; CN100464989-C
Title: Ink reservoirs
Inventor Name(s): OLSEN D; OLSEN D N; DAVID N O
Patent Assignee(s): HEWLETT-PACKARD DEV CO LP (HEWP); OLSEN D N (OLSE-Individual); HEWLETT-PACKARD DEV CO (HEWP)

17. Patent Number(s): US2003203183-A1; WO2004103536-A1; EP1622703-A1; AU2004241934-A1; BR200409669-A; MX2005012119-A1; KR2006010801-A; US7114621-B2; JP2007504000-W; MX269909-B
Title: Membrane module elements
Inventor Name(s): HESTER J F; SPIEWAK B E; MROZINSKI J S; NELSON J M
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

18. Patent Number(s): US2003104192-A1; WO2003051782-A1; AU2002334979-A1; EP1453762-A1;

KR2004066162-A; JP2005511303-W; US7140495-B2; JP4680504-B2
Title: Layered sheet construction for wastewater treatment
Inventor Name(s): HESTER J F; SPIEWAK B E; HOLM D R; HALL J W; KIRK S M; DAVID M M; LAKSHMI B B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

19. Patent Number(s): US2005123727-A1; WO2005060425-A2; EP1689501-A2; AU2004304819-A1; MX2006006143-A1; BR200417059-A; JP2007512952-W; CN1890016-A; KR2006131768-A; US7279215-B2; MX262398-B; JP4382821-B2
Title: Membrane modules and integrated membrane cassettes
Inventor Name(s): HESTER J F; COLBURN D J; DOMROESE M K; FREEMYER H T; KODY R S; SLAMA D F; ZENK P B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

20. Patent Number(s): WO2004060667-A1; AU2003277218-A1; EP1572452-A1; JP2006511376-W; EP1572452-B1; DE60315708-E; DE60315708-T2; US2008108268-A1; US7381666-B2; JP4429174-B2
Title: Breathable film and fabric having liquid and viral barrier
Inventor Name(s): LITTLE S B; QUNICY R B; ROTELLA J A; SCHORR P A; STOPPER S R; QUNICY R B I; LITTLE S; QUNICY R; ROTELLA J; SCHORR P; STOPPER S; QUINCY R B
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB); LITTLE S B (LITT-Individual); QUINCY R B (QUIN-Individual); ROTELLA J A (ROTE-Individual); SCHORR P A (SCHO-Individual); STOPPER S R (STOP-Individual); KIMBERLY-CLARK CORP (KIMB)

21. Patent Number(s): US2006045979-A1; WO2006028608-A1; EP1632464-A1; AU2005283038-A1; IN200700933-P4; CN101039888-A; BR200514854-A; MX2007002628-A1; US7566480-B2; CN101039888-B; EP1632464-B1, US7566480
Title: Fluorochemical composition for treating porous stone
Inventor Name(s): DAMS R J; DAMS R
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATION CO LTD (MINN)

22. Patent Number(s): US2005266228-A1; WO2005118280-A1; EP1753607-A1; NO200606030-A; AU2005249942-A1; CN1980790-A; KR2007024619-A; JP2008500205-W; TW200600540-A; US7704598-B2
Title: Durable covering for chemical protection
Inventor Name(s): JAIN M K; QUINN T M; SMILEY A J; JAIN M; QUINN T; SMILEY A
Patent Assignee(s): JAIN M K (JAIN-Individual); QUINN T M (QUIN-Individual); SMILEY A J (SMILIndividual); GORE ENTERPRISE HOLDINGS INC (GORE); GORE ENTERPRISE HOLDINGS (GORE)

23. Patent Number(s): US8864293 B2, CN103660585A, CN103660585B, US20140071205
Title: Phase change ink reservoir for a phase change inkjet printer
Inventor Name(s): David Paul Platt, David L. Knierim, Tesfalem Zewdneh
Patent Assignee(s): Xerox Corporation

24. Patent Number(s): US20030104192 A1; EP1453762A1, US7140495, WO2003051782A1
Title: Apparatus for substantial removal of organic substance(s) and/or nitrogen source(s) from an aqueous medium
Inventor: Jonathan Hester, Brian Spiewak, David Holm, Jerald Hall, Seth Kirk, Moses David, Brinda Lakshmi
Patent Assignee(s): 3M Innovative Properties Company

25. Patent Number(s): US20030212217 A1, WO2003095581A1
Title: Fluorinated activator
Inventor Name(s): Suresh Sawant, Bernard Morkunas
Patent Assignee(s): Suresh Sawant, Bernard Morkunas

26. Patent Number(s): US20040043224 A1
Title: Enhanced hydrophobic membranes and methods for making such membranes
Inventor Name(s): Shmuel Sternberg
Patent Assignee(s): Shmuel Sternberg

27. Patent Number(s): WO200196437-A; EP1297044-A; DE10029623-A1; WO200196437-A1; NO200205847-A; EP1297044-A1; JP2004503629-W; US2004106821-A1; EP1297044-B1; DE50109160-G; ES2258089-T3
Title: Lubricating agent containing fluorinated urethane
Inventor Name(s): GROTTENMUELLER R; SCHMITT N; PROBST A; GROTTENMULLER R
Patent Assignee(s): CLARIANT GMBH (CLRN); GROTTENMULLER R (GROT-Individual); SCHMITT N (SCHM-Individual); PROBST A (PROB-Individual); CLARIANT PROD DEUT GMBH (CLRN)

28. Patent Number(s): US20060101796 A1, EP1656981A1
Title: Air filtration media
Inventor Name(s): Charles Kern, Philip Miele, Bernd Christensen
Patent Assignee(s): Kern Charles F, Miele Philip F, Bernd Christensen

29. Patent Number(s): US2006231487-A1; WO2006113266-A2
Title: Coated filter media
Inventor Name(s): BARTLEY S L; YODICE R
Patent Assignee(s): BARTLEY S L (BART-Individual); YODICE R (YODI-Individual); LUBRIZOL CORP (LUBR)

30. Patent Number(s): US20100024898 A1, CN101638054A, DE102009026280A1
Title: Fuel tank vent including a membrane separator
Inventor Name(s): Vishal Bansal, Nusrat Farzana
Patent Assignee(s): General Electric Company

31. Patent Number(s): US20080251518 A1, CA2569303A1, DE602006001860D1, EP1861322A1, EP1861322B1, WO2006092562A1
Title: Self-Venting Cover for Heatable Food Package

Inventor Name(s): Gary Tee
Patent Assignee(s): Ffp Packaging Solutions Limited

M91/6 Radovanovic, P. D., Krogseng, G. P., Waller, C. P., Mrozinski, J. S., and Krueger, D. L., *US 5993954*, "Temperature-sensitive microporous film," 1999. WO1998049225A1. Obljavljen i kao WO9849225 (A1), JP2009091583 (A), JP4921446 (B2), JP2001523284 (A), JP4828671 (B2), EP0977801 (A1), EP0977801 (B1), DE69801000 (T2), CN1253572 (A), CN1080280 (C), AU6467198 (A).

Citiran je u 22 patenta:

1. Patent Number(s): US20090274955 A1, CA2615495A1, CA2615495C, CN101223031A, CN101223031B, EP1905586A1, EP1905586A4, EP1905586B1, WO2007010878A1
Title: Multi-layer microporous polyolefin membrane and battery separator
Inventor Name(s): Shintaro Kikuchi, Kotaro Takita, Koichi Kono
Patent Assignee(s): Tonen Chemcial Corporation

2. Patent Number(s): WO2015157119 A1
Title: Microporous articles with a three-dimensional porous network of acid-sintered interconnected silica nanoparticles and methods of making the same
Inventor Name(s): Xuan JIANG, Kuan-Yin Lin, Michelle Mok, Naiyong Jing, Derek J. Dehn, Richard J. Pokorny, Ta-Hua Yu, Less «
Patent Assignee(s): 3M Innovative Properties Company

3. Patent Number(s): WO2012174209 A3, CN103608389A, EP2721097A2, EP2721097A4, US20140094076, WO2012174209A2
Title: Microporous materials with fibrillar mesh structure and methods of making and using the same
Inventor Name(s): James S. Mrozinski, H. Todd Freemyer, Kuan-Yin Lin
Patent Assignee(s): 3M Innovative Properties Company

4. Patent Number(s): US20140166774 A1, CA2842823A1, CN103732262A, EP2734242A1, WO2013014078A1
Title: Device for evaporating volatile substances
Inventor Name(s): Cedric Morhain, Walter Sordo, Stefano Deflorian
Patent Assignee(s): Zobele Holding Spa

5. Patent Number(s): US20110195295 A1, CN102105302A, CN102105302B, EP2308674A1, EP2308674A4, EP2308674B1, WO2010013800A1
Title: Laminated microporous film and method for manufacturing the same, and separator for battery
Inventor Name(s): Teruaki Manago, Yoko Azami
Patent Assignee(s): Teruaki Manago, Yoko Azami

6. Patent Number(s): US20100258977 A1, CN101874063A, CN101874063B, EP2220150A1, EP2220150B1, US20130096194, WO2009070630A1
Title: Methods for Forming Microporous and Antimicrobial Articles

Inventor Name(s): Aizoh Sakurai, Kana Saito, Naoyuki Toriumi, James S. Mrozinski
Patent Assignee(s): 3M Innovative Properties Company

7. Patent Number(s): US20070221567 A1, CN101041722A, CN101041722B, US20160043372
Title: Membrane made of a blend of UHMW polyolefins
Inventor Name(s): Donald Simmons, Joseph Yaritz
Patent Assignee(s): Celgard Llc

8. Patent Number(s): US8964146 B2, CN102460125A, CN102460125B, EP2419714A1, US20120038850, WO2010120871A1
Title: Optical film for preventing optical coupling
Inventor Name(s): Encai Hao, William Blake Kolb, John A. Wheatley, Fei Lu, Adam D. Haag
Patent Assignee(s): 3M Innovative Properties Company

9. Patent Number(s): US8950924 B2, CN102648427A, EP2510389A1, US9229149, US20120287677, US20150131311, US20160116664, WO2011071728A1
Title: Optical constructions incorporating a light guide and low refractive index films
Inventor Name(s): John A. Wheatley, Tao Liu, Encai Hao
Patent Assignee(s): 3M Innovative Properties Company

10. Patent Number(s): US8922733 B2, CN102576119A, CN102576119B, EP2491445A1, US20120200801, US20150103507, WO2011050254A1
Title: Light source and display system incorporating same
Inventor Name(s): John A. Wheatley, Tao Liu, Encai Hao, William Blake Kolb, Michael Benton Free
Patent Assignee(s): 3M Innovative Properties Company

11. Patent Number(s): US8906540 B2, CA2723110A1, CN102036813A, CN102036813B, EP2274168A2, EP2274168B1, US20110064990, WO2009132802A2, WO2009132802A3, WO2009132802A8
Title: Micro-porous multi-layer membrane film based on polypropylene for batteries with a cut-off function
Inventor Name(s): Thilo Mohr, Detlef Busch, Bertram Schmitz, Christian Peters
Patent Assignee(s): Treofan Germany Gmbh & Co. Kg

12. Patent Number(s): US8891038 B2, CN102460244A, CN102460244B, EP2419771A2, US20120026431, WO2010120845A2, WO2010120845A3
Title: Lightguide with optical film containing voids and blacklight for display system
Inventor Name(s): William D. Coggio, John A. Wheatley, Tao Liu, Brian W. Ostlie, Encai Hao, William Blake Kolb, Qingbing Wang, Michael Benton Free, Michael L. Steiner, Scott M. Tapio, Less «
Patent Assignee(s): 3M Innovative Properties Company

13. Patent Number(s): US8534849 B2, CN102458819A, CN102458819B, EP2419265A1, EP2419265A4, US20100265584, WO2010121019A1
Title: Retroreflecting optical construction

Inventor Name(s): William D. Coggio, John S. Huizinga, Michael L. Steiner, Robert F. Watkins, Encai Hao, William B. Kolb, Peiwang Zhu, Michael Benton Free, Brant U. Kolb, Kui Chen-Ho, Paul E. Humpal, Kenneth L. Smith, Scott M. Tapio, Menos «
Patent Assignee(s): 3M Innovative Properties Company

14. Patent Number(s): WO2010078234-A1; WO2010078234-A8
Title: Porous membranes with multiple zones having different pore sizes
Inventor Name(s): HESTER J F; MROZINSKI J S; DEHN D J
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); DEHN D J (DEHN-Individual)

15. Patent Number(s): JP2004241291-A; JP3863851-B2
Title: Non-aqueous electrolyte battery, used as power source for portable electronic devices, has anode, cathode and separator containing material capable of changing reversibly in between specific states
Patent Assignee(s): SANYO ELECTRIC CO LTD (SAOL)

16. Patent Number(s): JP2004241290-A; JP3863850-B2
Title: Non-aqueous electrolyte battery, for portable electronic device, has polymer sheet containing material which is capable of reversibly changing lithium ion permeating state to lithium ion non-permeating state
Patent Assignee(s): SANYO ELECTRIC CO LTD (SAOL)

17. Patent Number(s): EP1251573-A2; US2003118896-A1; JP2002319386-A; JP2002367587-A; JP3680759-B2; JP3794283-B2; US2006222936-A1; US7138207-B2; EP1251573-A3; US7867649-B2
Title: Non-aqueous electrolyte secondary cell
Inventor Name(s): YAMAGUCHI A; OMARU A; NAGAMINE M
Patent Assignee(s): SONY CORP (SONY); YAMAGUCHI A (YAMA-Individual); OMARU A (OMARIndividual); NAGAMINE M (NAGA-Individual)

18. Patent Number(s): US2003157408-A1; US6998193-B2
Title: Microporous membrane and its uses thereof
Inventor Name(s): SUN L
Patent Assignee(s): SUN L (SUNL-Individual); POLICELL TECHNOLOGIES INC (POLI-Non-standard)

19. Patent Number(s): WO200185837-A; EP1360231-A; WO200185837-A2; AU200157340-A; BR200110707-A; KR2002092471-A; HU200301774-A2; CZ200203635-A3; EP1360231-A2; JP2004501231-W; MX2002011070-A1; US2004106735-A1; TW575623-A; US6875813-B2; CN1620477-A; RU2266932-C2; AU2001257340-A8
Title: Isobutylene-based elastomer blends
Inventor Name(s): TSOU A H; DUVDEVANI I; WANG H; WANG H C
Patent Assignee(s): EXXONMOBIL CHEM PATENTS INC (ESSO); TSOU A H (TSOU-Individual); DUVDEVANI I (DUVD-Individual); WANG H (WANG-Individual)

20. Patent Number(s): WO200116229-A; EP1228142-A; WO200116229-A1; AU200061122-A; EP1228142-A1; KR2002027593-A; US6461724-B1; JP2003508571-W; EP1228142-B1; DE60026034-E; DE60026034-T2; KR648577-B1

Title: Microporous material resistant to capillary collapse
Inventor Name(s): RADOVANOVIC P D; PEREZ M A; THOMAS S D
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

21. Patent Number(s): EP1047141-A2; CA2301453-A1; JP2000340207-A; CN1271184-A; KR2000071722-A; US6346350-B1; SG97881-A1
Title: Battery Structurally stable fusible battery separators and method of making same
Inventor Name(s): CALL R W; COOK P C; HUX S E; NGUYEN K V; YU W; VAN NGUYEN K
Patent Assignee(s): CELGARD INC (CELG-Non-standard)

22. Patent Number(s): WO200034384-A; EP1157067-A; WO200034384-A1; KR2000038611-A; EP1157067-A1; CN1329638-A; JP2002531669-W; KR371398-B; EP1157067-B1; DE69915380-E; JP3639535-B2; CN1170877-C; US2006188786-A1
Title: Separator for secondary battery and porous film made of polyolefin blend and process for preparing the same
Inventor Name(s): LEE S; AHN B; SONG H; KIM M; AHN B I; KIM M M; LEE S Y; SONG H S
Patent Assignee(s): LG CHEM LTD (GLDS); LG CHEM CO LTD (GLDS); LEE S (LEES-Individual); AHN B (AHNB-Individual); SONG H (SONG-Individual); KIM M (KIMM-Individual)

M91/7 Radovanovic, P. D. and Thomas, S. D., *US 6096213*, "Puncture-resistant polyolefin membranes," 2000. Objavljen je i kao WO0009597 (A1), JP2002522610 (A), JP4755339 (B2), EP1105436 (A1), EP1105436 (B1), DE69911624 (T2), CA2338549 (A1)

Citiran je u 69 patenata.

1. Patent Number(s): WO2012174209 A3, CN103608389A, EP2721097A2, EP2721097A4, US20140094076, WO2012174209A2
Title: Microporous materials with fibrillar mesh structure and methods of making and using the same
Inventor Name(s): James S. Mrozinski, H. Todd Freemyer, Kuan-Yin Lin
Patent Assignee(s): 3M Innovative Properties Company

2. Patent Number(s): WO2010147798 A2, CN102458622A, CN102458622B, EP2442895A2, EP2442895A4, EP2442895B1, US8951677, US20120088149, WO2010147798A3
Title: Microporous membranes, methods for making such membranes, and the use of such membranes as battery separator film
Inventor Name(s): Takeshi Ishihara, Satoshi Miyaoka, Koichi Kono, Patrick Brant
Patent Assignee(s): Toray Tonen Specialty Separator Godo Kaisha, Exxonmobil Chemical Patents Inc.

3. Patent Number(s): US20070232709 A1, CN101223217A, CN101223217B, CN102276871A, EP1882005A1, EP1882005A4, US8323547, WO2006123850A1
Title: Microporous polyethylene film manufactured according to liquid-liquid phase separation and methods of producing the same
Inventor Name(s): Young-Keun Lee, Jang-Weon Rhee, Jung-Moon Sung, Byoung-Cheon Jo, Chol-Ho Lee, Gwi-Gwon Kang, In-Hwa Jung, Je-An Lee, Menos «
Patent Assignee(s): Sk Corporation

4. Patent Number(s): US20070221567 A1, CN101041722A, CN101041722B, US20160043372
Title: Membrane made of a blend of UHMW polyolefins
Inventor Name(s): Donald Simmons, Joseph Yaritz
Patent Assignee(s): Celgard Llc

5. Patent Number(s): WO2007073019 A1, CN101309954A, CN101309954B, EP1963408A1, EP1963408A4, US20070138681, US20070138682
Title: Microporous film of semicrystalline polymers and method for preparing the same
Inventor Name(s): Young-Keun Lee, Jang-Weon Rhee, Gwi-Gwon Kang, In-Hwa Jung, Je-An Lee
Patent Assignee(s): Sk Energy Co., Ltd.

6. Patent Number(s): US20070092705 A1
Title: Microporous polyethylene film through liquid-liquid phase separation mechanism and preparing method thereof
Inventor Name(s): Young-Keun Lee, Jang-Weon Rhee, Jung-Moon Sung, Byoung-Cheon Jo, Chol-Ho Lee, Gwi-Gwon Kang, In-Hwa Jung, Je-An Lee, Menos «
Patent Assignee(s): Young-Keun Lee, Jang-Weon Rhee, Jung-Moon Sung, Byoung-Cheon Jo, Chol-Ho Lee, Gwi-Gwon Kang, In-Hwa Jung, Je-An Lee, Menos «

7. Patent Number(s): US20050087487 A1, DE10348876A1, DE10348876B4, US7141168
Title: Porous polyolefin membrane
Inventor Name(s): Hideshi Sakamoto, Junichi Yamauchi, Takashi Shimpuku
Patent Assignee(s): Hideshi Sakamoto, Junichi Yamauchi, Takashi Shimpuku

8. Patent Number(s): US9203072 B2, CN101014649A, CN101014649B, EP1785451A1, EP1785451A4, US20080096102, WO2006025323A1
Title: Microporous polyolefin film and separator for storage cell
Inventor Name(s): Hiroshi Hatayama, Hiroshi Sogo
Patent Assignee(s): Asahi Kasei Chemicals Corporation

9. Patent Number(s): US9022224 B2, CN103118766A, CN103118766B, EP2618916A1, US20120074053, US20150122715, WO2012040412A1
Title: Fluid control manifold for membrane filtration system
Inventor Name(s): Michael Collignon, Bruce Gregory Biltoft
Patent Assignee(s): Evoqua Water Technologies Llc

10. Patent Number(s): US20110056522 A1, US8956464, WO2010142673A1
Title: Method of cleaning membranes
Inventor Name(s): Peter Zauner, Fufang Zha
Patent Assignee(s): Peter Zauner, Fufang Zha

11. Patent Number(s): US8858796 B2, CA2618107A1, CN101287538A, CN101287538B, EP1945333A1, EP1945333A4, EP1945333B1, US8894858, US20080190846, US20140326682, WO2007022576A1

Title: Assembly for water filtration using a tube manifold to minimise backwash (Method and assembly for water filtration using a tube manifold to minimize backwash)
Inventor Name(s): David John Cox, Warren Thomas Johnson
Patent Assignee(s): Evoqua Water Technologies Llc

12. Patent Number(s): US8846253 B2, CN102458842A, CN102458842B, CN102802771A, CN102802771B, CN102802945A, CN102804450A, CN102804450B, EP2442896A2, EP2442896A4, EP2442896B1, EP2442981A2, EP2442981A4, EP2442981B1, EP2443685A2, EP2443685A4, EP2443685B1, EP2461974A2, EP2461974A4, US8338020, US8841032, US9203071, US20120070748, US20120077072, US20120077073, US20120082899, WO2010147799A2, WO2010147799A3, WO2010147800A2, WO2010147800A3, WO2010147801A2, WO2010147801A3, WO2010147802A2, WO2010147802A3
Title: Microporous membranes, methods for making these membranes, and the use of these membranes as battery separator films (Multi-layer microporous film)
Inventor Name(s): Takeshi Ishihara, Satoshi Miyaoka, Koichi Kono, Patrick Brant
Patent Assignee(s): Toray Battery Separator Film Co., Ltd.

13. Patent Number(s): US8834656 B2, US20130299060
Title: Manufacturing method of porous composite film
Inventor Name(s): Chien-Chih Chen, Yu-Wei Chang, Chia-Yin Yao, Jui-Lin Hsu, Ming-Cheng Tsai
Patent Assignee(s): Entire Technology Co., Ltd.

14. Patent Number(s): US8808540 B2, CA2544626A1, CA2544626C, CN1894021A, CN100421772C, EP1687078A1, EP1687078A4, EP1687078B1, US20070075021, US20090107916, WO2005046849A1
Title: Module cleaning method
Inventor Name(s): Warren Thomas Johnson
Patent Assignee(s): Evoqua Water Technologies Llc

15. Patent Number(s): US8790515 B2, CA2579168A1, CA2579168C, CN101043933A, CN101043933B, EP1807180A1, EP1807180A4, EP1807180B1, US20070227973, WO2006026814A1
Title: Reduction of backwash liquid waste
Inventor Name(s): Fufang Zha, Zhiyi Cao
Patent Assignee(s): Evoqua Water Technologies Llc

16. Patent Number(s): US8758622 B2, CA2591580A1, CN100546701C, CN101087642A, EP1838422A1, EP1838422A4, US20100000941, WO2006066350A1
Title: Simple gas scouring method and apparatus
Inventor Name(s): Joachim Muller
Patent Assignee(s): Evoqua Water Technologies Llc

17. Patent Number(s): US8758621 B2, US20070181496, WO2005092799A1
Title: Process and apparatus for purifying impure water using microfiltration or ultrafiltration in combination with reverse osmosis
Inventor Name(s): Joseph Edward Zuback
Patent Assignee(s): Evoqua Water Technologies Llc

18. Patent Number(s): US8652331 B2, CA2734796A1, CN102123784A, EP2315625A1, EP2315625A4, US20110139715, WO2010021959A1
Title: Membrane system backwash energy efficiency
Inventor Name(s): Fufang Zha, Zhiyi Cao
Patent Assignee(s): Siemens Water Technologies Llc

19. Patent Number(s): US8524794 B2, CA2571502A1, EP1773477A1, EP1773477A4, EP1773477B1, US20080058440, WO2006002479A1
Title: Hydrophilic membranes
Inventor Name(s): Heinz-Joachim Muller, Daniel Mullette
Patent Assignee(s): Siemens Industry, Inc.

20. Patent Number(s): US8518256 B2, CN1298413C, CN1500001A, DE60217848D1, DE60217848T2, EP1385605A1, EP1385605A4, EP1385605B1, US6974554, US7931463, US20050087898, US20060110486, US20110192783, WO2002081065A1
Title: Membrane module
Inventor Name(s): David John Cox, Fufang Zha, Joachim Muller, Cinzia Lea, George Schneider
Patent Assignee(s): Siemens Industry, Inc.

21. Patent Number(s): US8512568 B2, CA2456479A1, CA2456479C, CN1551796A, CN1551796B, DE60238991D1, EP1420874A1, EP1420874A4, EP1420874B1, US20040217053, US20090223895, WO2003013706A1
Title: Method of cleaning membrane modules
Inventor Name(s): Fufang Zha, Anthony James Stubbs
Patent Assignee(s): Siemens Industry, Inc.

22. Patent Number(s): US8506806 B2, CA2579857A1, CN101039739A, CN101039739B, EP1799334A1, EP1799334A4, EP1799334B1, US20080053923, US20130299411, WO2006029456A1
Title: Methods and apparatus for removing solids from a membrane module
Inventor Name(s): Thomas William Beck, Warren Thomas Johnson
Patent Assignee(s): Siemens Industry, Inc.

23. Patent Number(s): US8496828 B2, CA2591408A1, CA2591408C, CN100548451C, CN101098746A, CN101623599A, CN101623599B, EP1835985A1, EP1835985A4, EP1835985B1, EP2394731A1, US20080203016, US20110114557, US20110114557, US20130334136, WO2006066319A1
Title: Cleaning in membrane filtration systems
Inventor Name(s): Warren Thomas Johnson, Thomas William Beck, Rebecca Yeo
Patent Assignee(s): Siemens Industry, Inc.

24. Patent Number(s): US8460829 B1
Title: Porous polymer separator layer having a non-uniform cross-sectional thickness for use in a secondary liquid-electrolyte battery
Inventor Name(s): Xiaosong Huang, Hamid G. Kia, Mark W. Verbrugge
Patent Assignee(s): GM Global Technology Operations LLC

25. Patent Number(s): US8382981 B2, CA2731774A1, CN102112213A, EP2331242A1, EP2331242A4, US9023206, US20110127209, US20130186817, WO2010009518A1
Title: Frame system for membrane filtration modules
Inventor Name(s): Peter Rogers, Stephen Bowmer, Bruce Gregory Biltoft, James W. Polson, Robert James McMahon, Huw Alexander Lazaredes, Michael Collignon
Patent Assignee(s): Siemens Industry, Inc.

26. Patent Number(s): US8377305 B2, CA2579894A1, CN100548452C, CN101039740A, EP1807181A1, EP1807181A4, US20080156745, WO2006029465A1
Title: Continuously variable aeration
Inventor Name(s): Fufang Zha, Warren Thomas Johnson, Thomas William Beck, Roger William Phelps, Etienne Ulysse Brois,
Patent Assignee(s): Siemens Industry, Inc.

27. Patent Number(s): US8372545 B2, US20120094167
Title: Separator for non-aqueous lithium-ion battery
Inventor Name(s): Garrin Samii, Abbas Samii, Banafsheh Behnam, David Veno
Patent Assignee(s): Advanced Membrane Systems, Inc.

28. Patent Number(s): WO2004050221 A1, CA2508423A1, CA2508423C, CN1735452A, CN1735452B, DE60336841D1, EP1567249A1, EP1567249A4, EP1567249B1, US8372282, US20070007214
Title: Mixing chamber
Inventor Name(s): Fufang Zha, Roger William Phelps, Etienne Ulysse Brois
Patent Assignee(s): U.S. Filter Wastewater Group, Inc.

29. Patent Number(s): US8323547 B2, CN101223217A, CN101223217B, CN102276871A, EP1882005A1, EP1882005A4, US20070232709, WO2006123850A1
Title: Microporous polyethylene film manufactured according to liquid-liquid phase separation and method of producing the same
Inventor Name(s): Young-Keun Lee, Jang-Weon Rhee, Jung-Moon Sung, Byoung-Cheon Jo, Chol-Ho Lee, Gwi-Gwon Kang, In-Hwa Jung, Je-An Lee
Patent Assignee(s): Sk Innovation Co., Ltd.

30. Patent Number(s): US8304113 B2, US20110171523, US20130065132
Title: Polyolefin and ceramic battery separator for non-aqueous battery applications
Inventor Name(s): Garrin Samii, Banafsheh Behnam, David Veno, Abbas Samii
Patent Assignee(s): Advanced Membrane Systems, Inc.

31. Patent Number(s): US 8663868 B2; CN1867622A, CN1867622B, DE602004026337D1, EP1678245A1, EP1678245B1, US7338692, US8962214, US20050058821, US20080113242, US20140134518, WO2005035641A1
Title: Microporous PVDF films
Inventor Name(s): Samantha D. Smith, Gene H. Shipman, Robert M. Floyd, Harold Todd Freemyer, Steven J. Hamrock, Michael A. Yandrasits, David G. S. Walton, Weniger
Patent Assignee(s): 3M Innovative Properties Company

32. Patent Number(s): US20030104192 A1; EP1453762A1, US7140495, WO2003051782A1
Title: Apparatus for substantial removal of organic substance(s) and/or nitrogen source(s) from an aqueous medium
Inventor: Jonathan Hester, Brian Spiewak, David Holm, Jerald Hall, Seth Kirk, Moses David, Brinda Lakshmi
Patent Assignee(s): 3M Innovative Properties Company

33. Patent Number(s): US8293098 B2, US20100191377, WO2008051546A2, WO2008051546A3
Title: Infiltration/inflow control for membrane bioreactor
Inventor Name(s): George W. Smith, Dennis J. Barnes
Patent Assignee(s): Siemens Industry, Inc.

34. Patent Number(s): US8287743 B2, CA2688455A1, CA2822316A1, CN101790411A, CN101790411B, CN103055703A, DE202008018516U1, EP2152390A1, EP2152390B1, EP2389998A1, EP2463017A1, EP2875857A1, US8372276, US8622222, US8840783, US9206057, US20110100907, US20110198283, US20120061333, US20130153496, US20140083940, US20140158618, WO2008153818A1
Title: Membrane cleaning with pulsed airlift pump (Water treatment membrane cleaning with pulsed airlift pump)
Inventor Name(s): Fufang Zha, Gerin James, Edward Joseph Zuback, Peter Zauner, Roger Phelps
Patent Assignee(s): Siemens Industry, Inc.

35. Patent Number(s): US8268176 B2, CA2535360A1, CA2535360C, CN103285737A, CN103285737B, EP1677898A1, EP1677898A4, EP1677898B1, US20070007205, WO2005021140A1
Title: Backwash
Inventor Name(s): Warren Thomas Johnson, Thomas William Beck, Fufang Zha, Huw Alexander Lazaredes, Zhiyi Cao
Patent Assignee(s): Siemens Industry, Inc.

36. Patent Number(s): US8182687 B2, CA2488895A1, CA2488895C, CN1662295A, CN100503018C, DE60333755D1, EP1517742A1, EP1517742A4, EP1517742B1, US7160463, US7344645, US20050145556, US20060266706, US20080179249, WO2003106004A1
Title: Methods of minimising the effect of integrity loss in hollow fibre membrane modules
Inventor Name(s): Thomas William Beck, Warren Thomas Johnson
Patent Assignee(s): Siemens Industry, Inc.

37. Patent Number(s): US8057718 B2, CN101184796A, CN101184796B, EP1907458A1, EP1907458A4, EP1907458B1, US20060228540, US20070116944, WO2006107125A1
Title: Microporous polyethylene film having excellent physical properties, productivity, and quality consistency, and method of producing same
Inventor Name(s): Young Keun Lee, Jang Weon Rhee, Jung Moon Sung, Byoung Cheon Jo, Chol Ho Lee
Patent Assignee(s): Sk Innovation Co., Ltd.

38. Patent Number(s): US8048306 B2, CA2275146A1, CA2275146C, CA2551202A1, CA2551202C, CA2639642A1, CA2639642C, CN1134286C, CN1244814A, DE69740003D1, EP0952885A1, EP0952885A4, EP0952885B1, EP1736234A2, EP1736234A3, US6555005, US6969465, US20020195390, US20030178365, US20040084369, US20040145076, US20040168979, US20040178154, US20060000775, US20060131234, WO1998028066A1
Title: Scouring method
Inventor Name(s): Fufang Zha, Clinton V. Kopp, Robert J. McMahon, Warren T. Johnson, Thomas W. Beck
Patent Assignee(s): Siemens Industry, Inc.

39. Patent Number(s): US7988891 B2, CA2614498A1, CN101222972A, CN101222972B, EP1901835A1, EP1901835A4, EP1901835B1, US20080203018, WO2007006104A1
Title: Monopersulfate treatment of membranes
Inventor Name(s): Heinz-Joachim Muller, Dongliang Wang, Nina Elbaz
Patent Assignee(s): Siemens Industry, Inc.

40. Patent Number(s): US7938966 B2, CA2501628A1, CA2501628C, EP1551535A1, EP1551535A4, EP1551535B1, US20060000774, WO2004033078A1
Title: Backwash method
Inventor Name(s): Warren Thomas Johnson
Patent Assignee(s): Siemens Water Technologies Corp.

41. Patent Number(s): US7931463 B2, CN1298413C, CN1500001A, DE60217848D1, DE60217848T2, EP1385605A1, EP1385605A4, EP1385605B1, US6974554, US8518256, US20050087898, US20060110486, US20110192783, WO2002081065A1
Title: Apparatus for potting membranes
Inventor Name(s): David John Cox, Georg Schnieder, Fufang Zha, Joachim Muller, Cinzia Lea
Patent Assignee(s): Siemens Water Technologies Corp.

42. Patent Number(s): US7872086 B2, US8008417, US20090186279, US20110086276
Title: Polymeric material and its manufacture and use
Inventor Name(s): Patrick Brant, Jeffrey L. Brinen, Zerong Lin, Koichi Kono, Kohtaro Kimishima, Hiroyuki Ozaki
Patent Assignee(s): Tonen Chemical Corporation

43. Patent Number(s): US7867417 B2, CA2588675A1, CN101084057A, CN101084057B, EP1827664A1, EP1827664A4, EP1827664B1, US20090230053, WO2006058384A1
Title: Membrane post treatment
Inventor Name(s): Daniel Mullette
Patent Assignee(s): Siemens Water Technologies Corp.

44. Patent Number(s): US7722769 B2, US7718057, US20070138090, US20080264855, US20090026120, WO2007044415A2, WO2007044415A3
Title: Method for treating wastewater
Inventor Name(s): Edward J. Jordan, Wenjun Liu
Patent Assignee(s): Siemens Water Technologies Corp.

45. Patent Number(s): US7718065 B2, CA2564007A1, CA2564007C, CN101426565A, CN101426565B, EP1747058A2, EP1747058A4, EP2380854A2, EP2380854A3, US7387723, US20060201876, US20090020475, WO2005107929A2, WO2005107929A3
Title: Filtration method and apparatus
Inventor Name(s): Edward John Jordan
Patent Assignee(s): Siemens Water Technologies Corp.

46. Patent Number(s): US8834686 B2, CN101171360A, CN101171360B, EP1885905A2, US7666494, US8062701, US20060251874, US20100108494, US20100112199, WO2006118903A2, WO2006118903A3
Title: Microporous article having metallic nanoparticle coating (Method of transferring nanoparticles using a microporous article having metallic nanoparticle coating)
Inventor Name(s): Donald J. McClure, Mario A. Perez
Patent Assignee(s): 3M Innovative Properties Company

47. Patent Number(s): US7947752 B2, EP1765920A1, EP1765920A4, EP1765920B1, US7332531, US20050277702, US20080139681, WO2005121228A1
Title: Method of producing microporous high density polyethylene film (Microporous high density polyethylene film and method of producing the same)
Inventor Name(s): Young Keun Lee, Jang Weon Rhee, Won Young Cho, Jung Moon Sung, Byoung Cheon Jo, Chol Ho Lee, In Hwa Jung, Byung Rae Jung
Patent Assignee(s): Sk Energy Co., Ltd.

48. Patent Number(s): US20090274955 A1, CA2615495A1, CA2615495C, CN101223031A, CN101223031B, EP1905586A1, EP1905586A4, EP1905586B1, WO2007010878A1
Title: Multi-layer microporous polyolefin membrane and battery separator
Inventor Name(s): Shintaro Kikuchi, Kotaro Takita, Koichi Kono
Patent Assignee(s): Tonen Chemcial Corporation

49. Patent Number(s): US7041742 B2, CN1701084A, EP1543060A2, US7053154, US20040110881, US20040116560, WO2004029146A2, WO2004029146A3, WO2004029149A1
Title: Impact modified thermoplastic olefin compositions
Inventor Name(s): Ann M. Panek, Anna C. Andrews, Haleh Ayrom-Keuchel, Paul J. DeFranco, Robert J. Opalko
Patent Assignee(s): Ferro Corporation

50. Patent Number(s): WO2010108148-A1
Title: Freestanding, heat resistant microporous film for use in energy storage devices
Inventor Name(s): CHERUKUPALLI S; PEKALA R W; WATERHOUSE R W
Patent Assignee(s): AMTEK RES INT (AMTE-Non-standard)

51. Patent Number(s): WO2009077481-A1; EP2231314-A1; US2010260990-A1; CN101903083-A
Title: Membranes
Inventor Name(s): CREDALI U; FELISATI A; LUNGHI L; MEDRI A; LUNGHI L, IT; MEDRI A, IT; CREDALI U, IT; FELISATI A, IT

Patent Assignee(s): BASELL POLIOLEFINE ITAL SRL (BASE); BASELL POLIOLEFINE SRL (BASENon-standard)

52. Patent Number(s): WO2007044415-A2; US2007138090-A1; US2008264855-A1; US2009026120-A1;
US7718057-B2; US7722769-B2
Title: Wastewater treatment system
Inventor Name(s): JORDAN E J; LIU W
Patent Assignee(s): SIEMENS WATER TECHNOLOGIES CORP (SIEI); JORDAN E J (JORD-Individual); LIU W (LIUW-Individual)

53. Patent Number(s): US2006278311-A1; US7628187-B2
Title: Carrying bag with overskirt
Inventor Name(s): MITTELSTAEDT M A
Patent Assignee(s): MITTELSTAEDT M A (MITT-Individual)

54. Patent Number(s): WO2006017911-A1; EP1789164-A1; AU2005274614-A1; IN200701487-P1; CN101052457-A; JP2008510598-W; US2008210623-A1; AU2005274614-B2; US7862719-B2; NZ553178-A
Title: Square membrane manifold system
Inventor Name(s): MCMAHON R J; COX D J; ZHA F; PHELPS R W; JOHNSON W T; BARKHO S; MCMAHON R; COX D; PHELPS R; JOHNSON W; JOHN C D; FUFANG Z
Patent Assignee(s): US FILTER WASTEWATER GROUP INC (USFI); SIEMENS WATER TECHNOLOGIES CORP (SIEI); MCMAHON R J (MCMA-Individual); COX D J (COXD-Individual); ZHA F (ZHAFIndividual); PHELPS R W (PHEL-Individual); JOHNSON W T (JOHN-Individual); BARKHO S (BARKIndividual)

55. Patent Number(s): WO2006002469-A1; EP1773476-A1; AU2005259830-A1; US2007157812-A1; IN200700214-P1; CN1988949-A; JP2008504122-W; US7819956-B2; AU2005259830-B2
Title: Gas transfer membrane
Inventor Name(s): MULLER H
Patent Assignee(s): US FILTER WASTEWATER GROUP INC (USFI); MULLER H (MULL-Individual); SIEMENS WATER TECHNOLOGIES CORP (SIEI)

56. Patent Number(s): US2006009538-A1; WO2006004314-A1; KR2006003800-A; KR611888-B1; EP1781726-A1; CN1997692-A; JP2008506003-W; US7435761-B2; EP1781726-B1; DE602005022731-E;CN1997692-B, US20060008636, US20090023825
Title: Microporous polyethylene film and method of producing the same
Inventor Name(s): LEE Y K; RHEE J W; CHO W Y; SUNG J M; JO B C; LEE C H; JUNG I H; JUNG B R
Patent Assignee(s): LEE Y K (LEEY-Individual); RHEE J W (RHEE-Individual); CHO W Y (CHOWIndividual); SUNG J M (SUNG-Individual); JO B C (JOBC-Individual); LEE C H (LEEC-Individual); JUNG I H (JUNG-Individual); JUNG B R (JUNG-Individual); SK CORP (SKSK); SK ENERGY CO LTD (SKSK)

57. Patent Number(s): US2005158001-A1; WO2006073992-A1; US7207732-B2; EP1836140-A1;

CN101094819-A; JP2008527420-W
Title: Coated optical fiber and curable compositions suitable for coating optical fiber
Inventor Name(s): FABIAN M D; FEWKES E J; GLAESEMANN G S
Patent Assignee(s): FABIAN M D (FABI-Individual); FEWKES E J (FEWK-Individual); GLAESEMANN G S (GLAE-Individual); CORNING INC (CORG)

58. Patent Number(s): US20040248108-A1; WO2005004191-A2; EP1634318-A2; BR200411129-A; MX2005013277-A1; KR2006017855-A; JP2007503592-W; US7462494-B2, US20090069177 A1
Title: Method for laser desorption mass spectrometry using porous polymeric substrates with particle fillers (Laser desorption substrate)
Inventor Name(s): LAKSHMI B B; CHONG C B E; CHONG CONKLIN B E; CONKLIN B E C
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

59. Patent Number(s): WO2004035180-A1; AU2003301399-A1; EP1552878-A1; US2006016748-A1; JP2005501354-X; CN1705505-A; KR2005056245-A; IN200500927-P2; AU2003301399-B2; KR668573-B1; IN200702844-P2; CA2502577-C; US7459085-B2; IN234018-B; CN1705505-B
Title: Microporous hydrophilic membrane
Inventor Name(s): KOGUMA I; NAGOYA F; FUJIHARU N; ICHIRO K
Patent Assignee(s): ASAHI KASEI PHARMA CORP (ASAH); KOGUMA I (KOGU-Individual); NAGOYA F (NAGO-Individual); ASAHI KASEI MEDICAL CO LTD (ASAH)

60. Patent Number(s): WO2003068374-A; WO2003068374-A1; AU2003245463-A1; EP1474222-A1; KR2004094683-A; US2005098494-A1; JP2005516764-W; CN1638851-A; NZ535133-A; IN200402188-P1; US7247238-B2; US2007216057-A1; AU2008227080-A1; AU2003245463-B2; CN100500272-C; US7632439-B2; KR991596-B1; JP4656839-B2; EP1474222-B1; CA2733826-A1; AU2008227080-B2
Title: Halar membranes
Inventor Name(s): MULLETTE D; MULLER H; MULLER H J
Patent Assignee(s): US FILTER WASTEWATER GROUP INC (USFI); MULLETTE D (MULL-Individual); MULLER H (MULL-Individual); SIEMENS WATER TECHNOLOGIES CORP (SIEI)

61. Patent Number(s): US2003104192-A1; WO2003051782-A1; AU2002334979-A1; EP1453762-A1; KR2004066162-A; JP2005511303-W; US7140495-B2; JP4680504-B2
Title: Layered sheet construction for wastewater treatment
Inventor Name(s): HESTER J F; SPIEWAK B E; HOLM D R; HALL J W; KIRK S M; DAVID M M; LAKSHMI B B
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); 3M INNOVATIVE PROPERTIES (MINN)

62. Patent Number(s): EP1316356-A2; CA2408718A1, CN1263795C, CN1424348A, EP1316356A3, US20030104236
Title: Diffusion membrane
Inventor Name(s): NGUYEN K V; SIMMONS D K; CALL R W; HUX S E; NIGAEN K V; SYMONS D K; CARL R W
Patent Assignee(s): CELGARD INC (CELG-Non-standard); CELGARD CORP (CELG-Non-standard); SKYDE CORP (SKYD-Non-standard)

63. Patent Number(s): WO2003026779-A; WO2003026779-A1; US2004023017-A1; EP1413350-A1; KR2004030896-A; AU2002313906-A1; JP2003530408-X; CN1545433-A; IN200400103-P2; CN1265868-C; US7140496-B2; CA2456170-C; KR805977-B1; IN214982-B; JP4531395-B2
Title: Multilayer microporous membrane
Inventor Name(s): NAGOYA F; KOGUMA I
Patent Assignee(s): ASAHI KASEI KK (ASAH); NAGOYA F (NAGO-Individual); KOGUMA I (KOGUIndividual); ASAHI KASEI PHARMA CORP (ASAH); ASAHI CHEM IND CO LTD (ASAH); ASAHI KASEI MEDICAL CO LTD (ASAH)

64. Patent Number(s): WO2003035232-A; US2002132107-A1; WO2003035232-A1; EP1436071-A1; AU2002320534-A1
Title: Porous polyethylene membrane
Inventor Name(s): O'BRIEN J J; PIP H J; ROGERS AGENT R; OBRIEN J J
Patent Assignee(s): O'BRIEN J J (OBRI-Individual); PIP H J (PIPH-Individual); ROGERS AGENT R (AGEN-Individual); EXXONMOBIL OIL CORP (ESSO)

65. Patent Number(s): WO2002102500-A; WO2002102500-A1; AU2002311089-A1; US2004191894-A1;
US7226541-B2
Title: Membrane polymer compositions
Inventor Name(s): MULLER H; MULLETTE D
Patent Assignee(s): US FILTER WASTEWATER GROUP INC (USFI); MULLER H (MULL-Individual); MULLETTE D (MULL-Individual); SIEMENS WATER TECHNOLOGY CORP (SIEI)

66. Patent Number(s): WO2002103835-A; WO2002103835-A1; EP1402592-A1; US2004163235-A1; TW579615-A; JP2004531035-W; CN1582513-A; IN200300299-P4; IN234357-B
Title: Method of manufacturing a lithium battery as well as a lithium battery
Inventor Name(s): FEIL H; HACK M; HACK M J J
Patent Assignee(s): KONINK PHILIPS ELECTRONICS NV (PHIG); HACK M J J (HACK-Individual); FEIL H (FEIL-Individual)

67. Patent Number(s): WO200238256-A; EP1349644-A; WO200238256-A1; AU200214802-A; EP1349644-A1; US2004035782-A1; KR2003084898-A; JP2004523338-W; US2005029185-A1; US2005029186-A1; US2005032982-A1; US6884350-B2; CN1633329-A; IN200300721-P1; AU2002214802-B2; US7300022-B2; US7404896-B2; KR903804-B1; IN222005-B; JP4355493-B2; CN100518911-C; EP1349644-B1; CA2428457-C; DE60142408-E
Title: Modified membranes
Inventor Name(s): MULLER H; FLOYD E
Patent Assignee(s): USF FILTRATION & SEPARATIONS GROUP INC (USFI); FLOYD E (FLOYIndividual); MULLER H (MULL-Individual); US FILTER WASTEWATER GROUP INC (USFI); SIEMENS WATER TECHNOLOGIES CORP (SIEI); SIEMENS WATER TECHNOLOGIES (SIEI)

68. Patent Number(s): WO200128667-A; EP1230970-A; WO200128667-A1; AU200079519-A; EP1230970-A1; JP2001531491-X; AU771197-B2; CA2388246-C; TW581709-A; EP1230970-B1; DE60029239-E; ES2267574-T3; DE60029239-T2; JP3979521-B2; US7635513-B1
Title: Heat resistant microporous film
Inventor Name(s): HOSHUYAMA I; NAGOYA F; KOGUMA I
Patent Assignee(s): ASAHI KASEI KOGYO KK (ASAH); ASAHI KASEI PHARMA CORP (ASAH); ASAHI KASEI KK (ASAH); ASAHI KASEI MEDICAL CO LTD (ASAH); ASAHI MEDICAL CO LTD (ASAH)

69. Patent Number(s): CA2292007-A1; US6773797-B1; MX2000000473-A1; MX233068-B
Title: Extruded poly (ethylene oxide) and filler composites and films having enhanced ductility and breathability
Inventor Name(s): TOPOLKARAEV V; WANG J H; SCHERTZ D M; SOERENS D A; TOPOLKARAEV V A
Patent Assignee(s): KIMBERLY-CLARK WORLDWIDE INC (KIMB)

M91/8 Radovanovic, P. D., Perez, M. A., and Thomas, S. D., *US 6461724*, "Microporous material resistant to capillary collapse," 2002. Objavljen je i kao WO0116229 (A1), JP 2003508571 (A), JP 4917228 (B2), EP 1228142 (A1, B1), DE 60026034 (T2), AU 6112200 (A).

Citiran je u 9 patenata.

1. Patent Number(s): US20070259256 A1, CA2586046A1, EP1820040A1, EP1820040A4, WO2006056076A1
Title: Systems and methods for detecting and indicating fault conditions in electrochemical cells
Inventor Name(s): Jean-Marc Le Canut, Rami Abouatallah
Patent Assignee(s): Jean-Marc Le Canut, Abouatallah Rami M

2. Patent Number(s): US20040091759 A1, CA2485880A1, CN1705890A, EP1509779A2, WO2003098769A2, WO2003098769A3
Title: Methods and apparatus for indicating a fault condition in fuel cells and fuel cell components
Inventor Name(s): David Harrington, Walter Roberto Donis
Patent Assignee(s): Harrington David Athol, Donis Walter Roberto Merida

3. Patent Number(s): US8964146 B2, CN102460125A, CN102460125B, EP2419714A1, US20120038850, WO2010120871A1
Title: Optical film for preventing optical coupling
Inventor Name(s): Encai Hao, William Blake Kolb, John A. Wheatley, Fei Lu, Adam D. Haag
Patent Assignee(s): 3M Innovative Properties Company

4. Patent Number(s): US8950924 B2, CN102648427A, EP2510389A1, US9229149, US20120287677, US20150131311, US20160116664, WO2011071728A1
Title: Optical constructions incorporating a light guide and low refractive index films
Inventor Name(s): John A. Wheatley, Tao Liu, Encai Hao
Patent Assignee(s): 3M Innovative Properties Company

5. Patent Number(s): US8922733 B2, CN102576119A, CN102576119B, EP2491445A1, US20120200801, US20150103507, WO2011050254A1
Title: Light source and display system incorporating same
Inventor Name(s): John A. Wheatley, Tao Liu, Encai Hao, William Blake Kolb, Michael Benton Free
Patent Assignee(s): 3M Innovative Properties Company

6. Patent Number(s): US8891038 B2, CN102460244A, CN102460244B, EP2419771A2, US20120026431, WO2010120845A2, WO2010120845A3
Title: Lightguide with optical film containing voids and blacklight for display system
Inventor Name(s): William D. Coggio, John A. Wheatley, Tao Liu, Brian W. Ostlie, Encai Hao, William Blake Kolb, Qingbing Wang, Michael Benton Free, Michael L. Steiner, Scott M. Tapio, Less «
Patent Assignee(s): 3M Innovative Properties Company

7. Patent Number(s): US8534849 B2, CN102458819A, CN102458819B, EP2419265A1, EP2419265A4, US20100265584, WO2010121019A1
Title: Retroreflecting optical construction
Inventor Name(s): William D. Coggio, John S. Huizinga, Michael L. Steiner, Robert F. Watkins, Encai Hao, William B. Kolb, Peiwang Zhu, Michael Benton Free, Brant U. Kolb, Kui Chen-Ho, Paul E. Humpal, Kenneth L. Smith, Scott M. Tapio
Patent Assignee(s): 3M Innovative Properties Company

8. Patent Number(s): WO2010078234-A1; WO2010078234-A8, CN102325585A, CN102325585B, EP2379209A1, US20110297612,
Title: Porous membrane for, e.g. filtering water with high sediment, comprises zones comprising same crystallizable polyolefin polymer, and different nucleating agents in differing concentrations, and having differing average pore size
Inventor Name(s): HESTER J F; MROZINSKI J S; DEHN D J
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); DEHN D J (DEHN-Individual)

9. Patent Number(s): WO2004060656-A1; EP1582340-A1; JP2004564517-X; CN1735508-A; US2006177640-A1; KR2005088245-A; CN1329185-C
Title: Laminated film for circuit material, comprises biaxially oriented film(s) containing thermoplastic resin composition, and layer(s) having network structure
Inventor Name(s): HIGASHIOJI T; TSUNEKAWA T; MACHIDA T; NAKAMORI Y; TSUKEKAWA T
Patent Assignee(s): TORAY IND INC (TORA)

M91/9 Kollaja, R. A., Nguyen, D. D., Steelman, R. S., Ree, B. R., Solomonson, S.D., and **Radovanovic, P. D.**, *US 6579601*, "Conformable multilayer films," 2003. Objavljen je i kao US2001008687 (A1), WO0128769 (A1), JP2003512201 (A), EP1237718 (A1), CN1379713 (A), CA2384132 (A1), BR0014748 (A), AU2748700 (A).

Citiran je u 42 patenta:

1. Patent Number(s): US20060078744 A1
Title: Substrate having insulating layers to prevent it from warping and the method of making the same
Inventor Name(s): Tsung-Neng Liao, Francis Pan, John Pan, Chun-Chi Lee, Chih-Lung Chen

Patent Assignee(s): Forhouse Corporation

2. Patent Number(s): US20060081101 A1, CN1765561A, CN100497223C, DE102005048247A1, DE102005048247B4, US8104385
Title: Brittle workpiece splitting system and brittle workpiece splitting method
Inventor Name(s): Masakazu Hayashi, Shinji Nakata, Susumu Yahagi
Patent Assignee(s): Shibaura Mechatronics Corporation, Kabushiki Kaisha Toshiba

3 .Patent Number(s): US20070202337 A1, CA2579395A1, EP1825997A2, EP1825997A3
Title: Dimensionally stable packaging film and articles made therefrom
Inventor Name(s): Andrew Lischefski, Tara Cruz, Kevin Nelson
Patent Assignee(s): Curwood, Inc.

4. Patent Number(s): US20080050568 A1
Title: Backing film, fabrication method thereof, and tape utilizing the same
Inventor Name(s): Lucky Lee, Tai Hsun Lee, Ching-Chih Lai, Yan-Sheng Yang
Patent Assignee(s): Industrial Technology Research Institute

5. Patent Number(s): US20080156438 A1, CA2493515A1, CA2493515C, CN1685025A, CN1685025B, EP1543086A1, EP1543086A4, US7285583, US7501468, US7772313, US20040029980, US20070036970, US20080161496, US20090133826, WO2004011569A1
Title: Method of producing adhered substrates
Inventor Name(s): William C. Stumphauzer, Anthony A. Parker
Patent Assignee(s): Liquamelt Licensing Llc

6. Patent Number(s): US20100119745 A1, CA2673546A1, CA2673546C, CN101616796A, CN101616796B, EP2114671A2, WO2008079755A2, WO2008079755A3
Title: Layered films, packages prepared therefrom, and methods of making the same
Inventor Name(s): Jesus Nieto, Carola Rosenthal nee Martin
Patent Assignee(s): Dow Global Technologies Inc.

7. Patent Number(s): US8076000 B2, US20070003712, US20070054139, WO2004106049A1, WO2004106050A1, WO2004106060A1, WO2004110751A1, WO2004110752A1
Title: Tie-layer materials for use with ionomer-based films and sheets as skins on other materials (Ionomer laminates, composite articles, and processes for making the same)
Inventor Name(s): Joseph Dominic Domine
Patent Assignee(s): Exxonmobil Chemical Patents Inc.

8. Patent Number(s): WO2013101699 A1, CN104136213A, EP2797741A1, US20140363600
Title: Coextruded multilayer cyclic olefin polymer films or sheet having improved moisture vapor barrier
Inventor Name(s): Joseph Dooley, Steven R. Jenkins, Patrick Chang Dong LEE
Patent Assignee(s): Dow Global Technologies Llc

9. Patent Number(s): US20090084787 A1, CN101223083A, CN101223083B, EP1902967A1, EP1902967A4, EP1902967B1, WO2007007700A1
Title: Packaging Containers, Method of Producing Innertape, and Innertape for Packaging Containers
Inventor Name(s): Tadakatsu Ikenoya

Patent Assignee(s): Tetra Laval Holdings & Finance S.A.

10. Patent Number(s): US8037631 B2, US20100146833, US20120032050
Title: Display panel mounting system and method
Inventor Name(s): Rod Harris
Patent Assignee(s): Truck Ads, Llc

11. Patent Number(s):US20080276510 A1, CA2589845A1, CA2589845C, US8037629, US20120030979
Title: Display panel mounting system and method
Inventor Name(s): Rod Harris
Patent Assignee(s): Rod Harris

12. Patent Number(s): WO2012129045 A1, CN103415391A, CN103429430A, EP2686162A1, EP2686166A1, WO2012129046A1
Title: Multi-layer polymeric films and methods of forming same
Inventor Name(s): Hugh Joseph O'donnell, Daniel Charles Peck, PierLorenzo CARUSO, Brandon Ellis Wise, Johannson Jimmy Tee, Jr
Patent Assignee(s): The Procter & Gamble Company

13. Patent Number(s): US20120237746 A1, US20120237743
Title: Multi-Layer Polymeric Films and Methods of Forming Same
Inventor Name(s): Hugh Joseph O'Donnell, Daniel Charles Peck, Pier-Lorenzo Caruso
Patent Assignee(s): O'Donnell Hugh Joseph, Daniel Charles Peck, Pier-Lorenzo Caruso

14. Patent Number(s): US20120205820 A1, CN102683297A
Title: Encapsulating resin sheet and semiconductor device using the same, and manufacturing method for the semiconductor device
Inventor Name(s): Takashi Oda, Kosuke MORITA, Hiroyuki Senzai
Patent Assignee(s): Nitto Denko Corporation

15. Patent Number(s): US20090186198 A1, EP2080614A2, EP2080614A3, US20150174884
Title: Protected Graphics and Related Methods
Inventor Name(s): James E. McGuire, Jr.
Patent Assignee(s): Entrotech, Inc.

16. Patent Number(s): US20080311364 A1
Title: Multi-layered self-adhesive protective film
Inventor Name(s): Jose de Jesus Ortega Sanchez
Patent Assignee(s): Sanchez Jose De Jesus Ortega

17. Patent Number(s): US20070261792 A1, EP1723062A1, WO2005082755A1
Title: Locator Tool Assembly for Paint Replacement Films
Inventor Name(s): Gordon Anderson
Patent Assignee(s): Anderson Gordon L

18. Patent Number(s): US20050271864 A1, CN1981316A, EP1766598A2, WO2005124727A2, WO2005124727A3

Title: Method of providing printable decorative labels for customization of portable electronic devices
Inventor Name(s): Sjoerd van Driesten, Nicoline Hermans
Patent Assignee(s): Van Driesten Sjoerd J, Nicoline Hermans

19. Patent Number(s): US20110039098 A1, EP2237951A2, WO2009095231A2, WO2009095231A3
Title: Gas-barrier films and sheets
Inventor Name(s): Roberto Forloni, Eugenio Sergio Longo, Paolo Ciocca
Patent Assignee(s): Roberto Forloni, Eugenio Sergio Longo, Paolo Ciocca

20. Patent Number(s): US20120040173 A1, CA2805287A1, WO2012021522A1
Title: Low density coring material
Inventor Name(s): Robert Mark Adams, Randall Lake, Louis Paul Schaefer, Helena Twardowska, Brian Kruchten
Patent Assignee(s): Illinois Tool Works Inc.

21. Patent Number(s): US20040247837 A1, CA2528922A1, CN1802255A, CN1802255B, EP1641617A2, EP1641617A4, US20060003114, US20100028586, WO2005005161A2, WO2005005161A3
Title: Multilayer film
Inventor Name(s): Howard Enlow, Keith Truog
Patent Assignee(s): Howard Enlow, Truog Keith L.

22. Patent Number(s): US20040039106 A1, EP1517945A2, EP1517945A4, WO2004003060A2, WO2004003060A3
Title: Conformable calendered films and articles made therefrom
Inventor Name(s): Aren Man, Chan Ko, Sam Visser
Patent Assignee(s): Man Aren Joost De, Ko Chan U., Visser Sam De

23. Patent Number(s): US20040001948 A1, US20020187341 A1, CA2432999A1, CN1489522A, EP1355782A1, EP1355782A4, WO2002051628A1
Title: Film and adhesive tape formed therewith
Inventor Name(s): Bernhard Mussig, Ingo Neubert
Patent Assignee(s): Bernhard Mussig, Ingo Neubert

24. Patent Number(s): US20020187341 A1, CA2432999A1, CN1489522A, EP1355782A1, EP1355782A4, WO2002051628A1
Title: Conformable films and articles made therefrom
Inventor Name(s): Chan Ko, Aren De Man
Patent Assignee(s): Ko Chan U., De Man Aren Joost

25. Patent Number(s): US9238719 B2, CN101848968A, CN101848968B, EP2207848A2, EP2207848B1, US9290629, US20100331995, US20150203641, WO2009060043A2, WO2009060043A3
Title: Process for producing high molecular weight polyethylene
Inventor Name(s): Harold Jan Smelt, Pieter Gijsman, Martin Van Duin
Patent Assignee(s): Dsm Ip Assets B.V.

26. Patent Number(s): US9186873 B2, CA2782339A1, CN102712182A, CN102712182B, EP2508343A1, EP2508343A4, US20120237747, WO2011068105A1
Title: Multilayered structure and method for producing the same
Inventor Name(s): Shinji Tai, Hiroshi Kawai, Satoshi Yamakoshi, Kouta Isoyama, Masao Hikasa, Kentaro Yoshida
Patent Assignee(s): Kuraray Co., Ltd.

27. Patent Number(s): US8545960 B2, US20100068446
Title: Articles comprising protective sheets and related methods
Inventor Name(s): James E. McGuire, Jr., Andrew C. Strange
Patent Assignee(s): Entrotech, Inc.

28. Patent Number(s): US8545959 B2, EP1937454A2, EP1937454A4, EP1937454B1, EP1937475A2, EP1937475A4, EP2404729A1, US20080261014, US20080286576, WO2007048141A2, WO2007048141A3, WO2007048145A2, WO2007048145A3
Title: Composite articles comprising protective sheets and related methods
Inventor Name(s): James E. McGuire, Jr., Andrew C. Strange
Patent Assignee(s): Entrotech Composites, Llc

29. Patent Number(s): US8007902 B2, EP2142369A1, EP2142369A4, EP2142369B1, EP2177354A1, EP2177354A8, EP2177354B1, EP2460640A1, EP2460640B1, EP2500169A1, EP2500169B1, EP2851196A1, US8182906, US20090317649, US20100015426, US20120064317, US20150368432, US20160136860, WO2009137401A1
Title: Multilayer clear over color polyolefin sheets and layered backing structure
Inventor Name(s): Dennis C. Smith
Patent Assignee(s): A. Schulman, Inc.

30. Patent Number(s): CA2515757A1, CA2515760A1, CA2515760C, CA2515763A1, CA2515764A1, CA2516065A1, CA2516073A1, CA2516073C, EP1592566A1, EP1597062A2, EP1597089A2, EP1597090A2, EP1597091A2, EP1597092A2, US7842363, US7842364, US7846522, US20040253421, US20040253423, US20050003129, US20060046028, US20060046083, US20070092678, US20070092679, US20070098943, US20070196631, WO2004074003A2, WO2004074003A3, WO2004074004A1, WO2004074004A8, WO2004074006A2, WO2004074006A3, WO2004074007A2, WO2004074007A3, WO2004074008A2, WO2004074008A3, WO2004074009A2, WO2004074009A3
Title: Multi-layer dry paint decorative laminate having discoloration prevention barrier (Discoloration-resistant articles for applying color on surfaces and methods of reducing discoloration in articles for applying color on surfaces)
Inventor Name(s): Frank Yen-Jer Shih, Roger A. Fahlsing, Anneke Margaret Kaminski, John Vincent Fontana, Douglas Bruce Zeik, Martin Ian James, Less «
Patent Assignee(s): The Procter & Gamble Company

31. Patent Number(s): DE102008033322-A1; EP2157145-A1
Title: Method and use of adhesive strips for covering or sealing optically high-value surfaces
Inventor Name(s): BOEHM N; DOLLASE T; ESCUDERO V A; PORTMANN M; ESCUDERO VALLEJO A
Patent Assignee(s): TESA SE (TESA)

32. Patent Number(s): US2008174176-A1; WO2008088355-A1; NO200901857-A; EP2121420-A1; US7866766-B2, US20110109153
Title: Light weight track for a snowmobile
Inventor Name(s): BERG N O; BERG N
Patent Assignee(s): POLARIS IND INC (POLA-Non-standard)

33. Patent Number(s): US2007092679-A1; US7842364-B2
Title: Differential release system for a self-wound multilayer dry paint decorative laminate having a pressure sensitive adhesive
Inventor Name(s): TRUOG K L; MCCARTNEY T L; POTTER C W; FAHLSING R A; EWANKO D B; STEINHARDT M J; KAMINSKI A M; PROSISE R L
Patent Assignee(s): PROCTER & GAMBLE CO (PROC); AVERY DENNISON CORP (AVER); PROCTER&GAMBLE CO (PROC)

34. Patent Number(s): US2005244665-A1; WO2005107502-A1; EP1746905-A1; AU2005239990-A1; US7258930-B2; JP2007537058-W; AU2005239990-B2; NZ550735-A
Title: Oxygen scavenging film with cyclic olefin copolymer
Inventor Name(s): RIVETT J W; SPEER D V; RIVETT J; SPEER D
Patent Assignee(s): CRYOVAC INC (CRYV)

35. Patent Number(s): US6842288-B1; WO2005045479-A1; EP1678529-A1; KR2006095573-A; CN1875296-A; JP2007512552-W; CN100526916-C
Title: Multilayer optical adhesives and articles
Inventor Name(s): LIU Y J; BROTT R L; CERNOHOUS J J; LU Y; MOSHREFZADEH R S; SCHAFFER K R; LIU Y; BROTT R; CERNOHOUS J; MOSHREFZADEH R; SCHAFFER K; LU Y Y
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN)

36. Patent Number(s): US2004219364-A1; US7255914-B2
Title: Variable refractive index polymer materials
Inventor Name(s): SHIRK J S; BAER E; HILTNER P A
Patent Assignee(s): SHIRK J S (SHIR-Individual); BAER E (BAER-Individual); HILTNER P A (HILTIndividual); UNIV CASE WESTERN RESERVE (UCWR)

37. Patent Number(s): US2004161567-A1; US7807246-B2, CN1747831A, CN1753733A, CN1756671A, CN1761575A, CN1761577A, CN1761578A, CN1761579A, CN1780731A, CN100566991C, US7132142, US7722938, US7905981, US20040159969, US20040161564, US20040161566, US20040161567, US20040161568, US20060029765, US20070065621,
Title: Dry paint transfer laminate (Method of making a dry paint transfer laminate)
Inventor Name(s): TRUOG K L; FAHLSING R A; ENLOW H; CONTI N A; SHIH F Y
Patent Assignee(s): PROCTER&GAMBLE CO (PROC)

38. Patent Number(s): EP1391294-A; EP1391294-A1; US2004038012-A1; WO2004018204-A1; AU2003259938-A1; US7051493-B2; NZ538026-A; AU2003259938-B2; CA2495958-C
Title: High modulus, temperature-resistant film for form fill and seal packaging

Inventor Name(s): AHLGREN K R; COOK H J; RIVETT J W; SHAH G P; DAYRIT R M
Patent Assignee(s): CRYOVAC INC (CRYV); COOK H J (COOK-Individual); RIVETT J W (RIVEIndividual); SHAH G P (SHAH-Individual); DAYRIT R M (DAYR-Individual); AHLGREN K R (AHLGIndividual)

39. Patent Number(s): WO2003053719-A; WO2003053719-A2; US2003134114-A1; AU2002361822-A1;
US2004076788-A1; EP1456040-A2; US2004200564-A1; KR2004069337-A; KR2004069338-A; JP2005512862-W; CN1628041-A; CN1635957-A; AU2002361822-A8; MX2004006007-A1; KR648019-B1; US7316832-B2; US2008069996-A1; US2008090053-A1; JP2009107343-A; EP1456040-B1; CN100488788-C; DE60233970-E; US7622175-B2; CN100556684-C; JP4421298-B2; MX272666-B; US7709070-B2; CA2468185-C; US7897227-B2; US7897228-B2; US2006165979-A1
Title: Articles and methods for applying color on surfaces
Inventor Name(s): KINSEY V A; PALLOTTA S C; O'BRIEN M J; WNUK A J; TOUSSANT J W; PROSISE R L; STEINHARDT M J; KAMINSKI A M; PAWLIKOWSKI J A; HALL B N; WESTENDORF R D; OBRIEN M J; KINSEY V; PALLOTTA S; OBRIEN M; WNUK A; TOUSSANT J; PROSISE R
Patent Assignee(s): PROCTER & GAMBLE CO (PROC); STEINHARDT M J (STEI-Individual); PALLOTTA S C (PALL-Individual); PROSISE R L (PROS-Individual); TOUSSANT J W (TOUS-Individual); WNUK A J (WNUK-Individual); KINSEY V A (KINS-Individual); KAMINSKI A M (KAMI-Individual); PAWLIKOWSKI J A (PAWL-Individual); HALL B N (HALL-Individual); WESTENDORF R D (WESTIndividual); PROCTER&GAMBLE CO (PROC); OBRIEN M J (OBRI-Individual)

40. Patent Number(s): WO2003046059-A; US2003099840-A1; WO2003046059-A2; US6696117-B2; AU2002365391-A1; AU2002365391-A8
Title: Composite laminate structures especially useful for automotive trim components, and methods and tie layers employed to make the same
Inventor Name(s): DEY S K; PATEL S H; XANTHOS M
Patent Assignee(s): DEY S K (DEYS-Individual); PATEL S H (PATE-Individual); XANTHOS M (XANTIndividual); GUARDIAN IND CORP (GURD)

41. Patent Number(s): WO2003053668-A; WO2003053668-A1; US2003148095-A1; AU2002360398-A1;
EP1456015-A1; KR2004068278-A; JP2005512854-W; US6949283-B2
Title: Polymeric coextruded multilayer articles
Inventor Name(s): KOLLAJA R A; ECKSTEIN A; FLOYD R M
Patent Assignee(s): 3M INNOVATIVE PROPERTIES CO (MINN); KOLLAJA R A (KOLL-Individual); ECKSTEIN A (ECKS-Individual); FLOYD R M (FLOY-Individual)

42. Patent Number(s): WO200287873-A; KR2004015243-Y1; WO200287873-A2; EP1395426-A2; AU2002249461-A1; KR2004015243-A; JP2004525005-W; CN1522201-A; US2005058825-A1; AU2002249461-A8; EP1395426-B1; US7255928-B2; DE60221013-E; DE60221013-T2; CN100349735-C; JP4651911-B2
Title: Multilayer polymeric films

Inventor Name(s): MACKERRON D H; FRIEND J E; MACKERRON D; FRIEND J; ELIZABETH F J; HENRY M D
Patent Assignee(s): DUPONT TEIJIN FILMS US LP (DUTE); DUPONT TEIJIN FILMS US LTD (DUTE); MACKERRON D H (MACK-Individual); FRIEND J E (FRIE-Individual)

M91/10 Hester, J. F., Spiewak, B.E., **Radovanovic, P. D.**, Reimann, S.R., and Kody, R. S., *US 6986428*, "Fluid separation membrane module," 2006. Objavljen je i kao US2004226886 (A1), WO2004103535 (A1), MXPA05012112 (A), KR20060003090 (A), JP2006528069 (A), JP4327855 (B2), EP1622704 (A1), EP1622704 (B1), EP1622704 (B8), BRPI0409932 (A), BRPI0409932 (B1), AU2004241942 (A1), AT435695 (T)

Citiran je u 41 patentu.

1. Patent Number(s): US2007119771-A1; WO2007064522-A1; EP1954382-A1; AU2006320849-A1; KR2008071594-A; CN101321576-A; JP2009517212-W; CA2631503-A1; IN200802690-P4; US7794593-B2; RU2008121860-A
Title: Cross-flow membrane module
Inventor Name(s): SCHUKAR G W; FANSELOW D L; JOHNSON T W; ISDER N J; FONG B K; BEGICH M D; FANSELOW D; JOHNSON T; ISDER N; FONG B; BEGICH M
Patent Assignee(s): SCHUKAR G W (SCHU-Individual); FANSELOW D L (FANS-Individual); JOHNSON T W (JOHN-Individual); ISDER N J (ISDE-Individual); FONG B K (FONG-Individual); BEGICH M D (BEGIIndividual); 3M INNOVATIVE PROPERTIES CO (MINN)

2. Patent Number(s): US7955504 B1, US8137554, US8273245, US20110253629, US20120074062, US20120292246
Title: Microfluidic devices, particularly filtration devices comprising polymeric membranes, and method for their manufacture and use
Inventor Name(s): Goran Jovanovic, Sundar V. Atre, Brian Kevin Paul, John Simonsen, Vincent Thomas Remcho, Chih-Hung Chang
Patent Assignee(s): State Of Oregon Acting By And Through The State Board Of Higher Education On Behalf Of Oregon State University

3. Patent Number(s): US8128822 B2, CA2583360A1, CA2583360C, CN101084054A, CN101084054B, EP1804959A1, EP1804959A4, EP1804959B1, US8419945, US20080093298, US20120223015, US20140069861, WO2006042079A1
Title: MECS dialyzer
Inventor Name(s): David M. Browning, James R. Curtis, Goran Nadezda Jovanovic, Brian Kevin Paul, Sundar Atre
Patent Assignee(s): State Of Oregon Acting By And Through The State Board Of Higher Education On Behalf Of Oregon State University, Home Dialysis Plus

4. Patent Number(s): US8388848 B2, CN101405072A, CN101405072B, CN102068908A, CN102068908B, EP2002880A1, EP2002880A4, EP2439321A1, US20100006504, WO2007114069A1
Title: Liquid separation device, flow channel material and process for producing the same
Inventor Name(s): Yoshifumi Odaka, Toshimasa Katayama, Tsunemitsu Kitagawa
Patent Assignee(s): Toray Industries, Inc.

5. Patent Number(s): US8501009 B2, US8524086, US9138687, US20110300230, US20110300231, US20130327715, US20150328386
Title: Fluid purification system
Inventor Name(s): Richard B. Peterson, James R. Curtis, Hailei WANG, Robbie Ingram-Goble, Luke W. Fisher, Anna E. Garrison
Patent Assignee(s): State Of Oregon Acting By And Through The State Board Of Higher Education On Behalf Of Oregon State University, Home Dialysis Plus, Ltd.

6. Patent Number(s): US8580161 B2, US20110272644
Title: Fluidic devices comprising photocontrollable units
Inventor Name(s): Vincent Thomas Remcho, Jintana Nammoonnoy, Myra Koesdjojo
Patent Assignee(s): State Of Oregon Acting By And Through The State Board Of Higher Education On Behalf Of Oregon State University

7. Patent Number(s): US8800308 B2, CN103109138A, CN103109138B, CN105588236A, EP2577178A2, EP2577178A4, US8943850, US9000289, US9086223, US9243810, US9273877, US20120125020, US20120125021, US20120125031, US20120125405, US20120125581, US20120131934, US20120131937, US20120131938, US20120131939, US20120131940, US20120132513, US20120186281, US20150184876, WO2011150081A2, WO2011150081A3, WO2011150081A4
Title: Methods and systems for desiccant air conditioning with combustion contaminant filtering
Inventor Name(s): Peter F. Vandermeulen, Jack I. Hanoka
Patent Assignee(s): 7Ac Technologies, Inc.

8. Patent Number(s): US20100326916 A1, CA2801196A1, CN103153442A, CN103153442B, CN105288762A, EP2576024A1, US8801922, US20140299545, WO2011156279A1
Title: Dialysis system
Inventor Name(s): Julie Wrazel, James R. Curtis, Ladislaus Nonn, Richard B. Peterson, Hailei WANG, Robbie Ingram-Goble, Luke W. Fisher, Anna E. Garrison, M. Kevin Drost, Goran Jovanovic, Richard Todd Miller, Bruce W. Johnson, Alana Warner-Tuhy, Eric K. Anderson
Patent Assignee(s): State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon, Home Dialysis Plus, Ltd.

9. Patent Number(s): US9101874 B2, CN104508417A, EP2859294A2, EP2859294A4, US9101875, US9308490, US20140150656, US20140150657, US20140150662, WO2013188388A2, WO2013188388A3
Title: Methods and systems for turbulent, corrosion resistant heat exchangers
Inventor Name(s): Peter F. Vandermeulen
Patent Assignee(s): 7Ac Technologies, Inc.

10. Patent Number(s): WO2015049499 A1
Title: Spiral wound gas separation membrane module
Inventor Name(s): DER BURG Eduard VAN, Nori Miyagishima, Yujiro Itami
Patent Assignee(s): Fujifilm Manufacturing Europe Bv, Fujifilm Corporation, Fujifilm Imaging Colorants Limited

11. Patent Number(s): US9328969 B2, CA2851245A1, CN103957960A, CN103957960B, EP2763719A2, EP2763719A4, US20130092361, WO2013052680A2, WO2013052680A3
Title: Heat exchange fluid purification for dialysis system
Inventor Name(s): Julie Wrazel, Gopi Lingam, Erik Miller, Clayton Hires
Patent Assignee(s): Outset Medical, Inc.

12. Patent Number(s): US20060191837 A1, EP1853375A1, WO2006091157A1, US20080156730 A1
Title: Permeate spacer module
Inventor Name(s): Nicolas Heinen
Patent Assignee(s): Alfa Laval Corporate Ab

13. Patent Number(s): US20060236664 A1, CN1864806A, DE102005019262A1, DE202005021783U1, EP1716905A1
Title: Filter system
Inventor Name(s): Ulrich Stahl, Uwe Felber
Patent Assignee(s): Carl Freudenberg Kg

14. Patent Number(s): US20080000827 A1, CA2587571A1, CN101060914A, DE102004057107A1, DE102004057107B4, EP1814648A1, WO2006056159A1
Title: Frameless, Plate-Shaped Filtering Member
Inventor Name(s): Ulrich Bruss
Patent Assignee(s): Ulrich Bruss

15. Patent Number(s): US20080011693 A1
16. Title: Self-cleaning waste-water device and method
Inventor Name(s): Ming Li, Shaoxiang Lu
Patent Assignee(s): Ming Li, Shaoxiang Lu

17. Patent Number(s): US20080108122 A1, US20120298037
Title: Microchemical nanofactories
Inventor Name(s): Brian Paul, Chih-Hung Chang, Vincent Remcho
Patent Assignee(s): State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon, State University

18. Patent Number(s): US20090211977 A1, US20150354906
Title: Through-plate microchannel transfer devices
Inventor Name(s): Richard Todd Miller
Patent Assignee(s): Oregon State University

19. Patent Number(s): US20100326914 A1, EP2445615A1, WO2010151419A1
Title: Microfluidic devices
Inventor Name(s): M. Kevin Drost, Goran Jovanovic, Richard Todd Miller, James R. Curtis, Bruce W. Johnson, Alana Warner-Tuhy, Eric K. Anderson, Julie S. Wrazel.
Patent Assignee(s): State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon, State University And Home Dialysis Plus, Ltd.

20. Patent Number(s): US20110023728 A1
Title: Pasteurization system and method
Inventor Name(s): Geoffrey F. Deane, William Gates, Roderick A. Hyde, Jordin T. Kare, Nathan P. Myhrvold, David B. Tuckerman, Lowell L. Wood, JR., Ozgur Yildirim
Patent Assignee(s): Searete Llc, A Limited Liability Corporation Of The State Of Delaware

21. Patent Number(s): US20110189048 A1, WO2011069110A1
Title: Modular dialysis system
Inventor Name(s): James R. Curtis, Michael Baker, Dalibor Jan Smejtek
Patent Assignee(s): Curtis James R, Michael Baker, Dalibor Jan Smejtek

22. Patent Number(s): WO2015123300 A1, US20150231573
Title: Mass transfer device and system generating vortices for particle suspension, concentration, and transport
Inventor Name(s): S. Laurie SANDERSON
Patent Assignee(s): College Of William And Mary

23. Patent Number(s): WO2006044711 A1
Title: Separation elements and methods of making separation elements
Inventor Name(s): Thomas Fendya, Mark Hurwitz, Carolyn Shapiro, Robert Spearing
Patent Assignee(s): Pall Corporation

24. Patent Number(s): US7404848 B2, CN1782652A, CN100395507C, DE102005037485A1, US20060112827
Title: Humidifier and a method for producing the same
Inventor Name(s): Tatsunori Okada, Hajimu Yoshiyasu, Tatsuya Hayashi, Hideo Ichimura
Patent Assignee(s): Mitsubishi Denki Kabushiki Kaisha

25. Patent Number(s): US8245855 B2, CA2623632A1, CA2623632C, CN101048350A, CN101048350B, DE202004015240U1, EP1807358A1, EP1807358B1, US20080087600, WO2006034701A1
Title: Thread system for installing in drinking water systems and other liquid-guiding systems
Inventor Name(s): Detlef Militz
Patent Assignee(s): Silvertex Ag

26. Patent Number(s): US8465644 B2, EP2236195A2, EP2236195A3, US20100243555
Title: Membrane element in immersion type membrane separation apparatus
Inventor Name(s): Kotaro KITAMURA, Yasuyuki Okuno, Yusuke Okawa, Hidemi Nagakawa
Patent Assignee(s): Hitachi Plant Technologies, Ltd.

27. Patent Number(s): US8608817 B2, CN101939072A, EP2227308A2, US20090120048, US20110147976, WO2009062009A2, WO2009062009A3
Title: Meltblown filter medium
Inventor Name(s): John A. Wertz, David Thomas Healey, William S. Freeman, John L. Manns, Mark Rowlands

Patent Assignee(s): Hollingsworth & Vose Company

28. Patent Number(s): US8986432 B2, US20100000411
Title: Meltblown filter medium, related applications and uses
Inventor Name(s): John A. Wertz, David T. Healey, William S. Freeman, John L. Manns, Mark Rowlands
Patent Assignee(s): Hollingsworth & Vose Company

29. Patent Number(s): US20120193285 A1, CN101528877A, CN101528877B, CN103396743A, EP2085443A1, EP2085443A4, US8187511, US8828227, US20100032368, WO2008050577A1
Title: Method for producing resin porous membrane with adhesive layer, resin porous membrane with adhesive layer, and filter member
Inventor Name(s): Yozo Nagai, Kouji Furuuchi, Miho Yamaguchi
Patent Assignee(s): Nitto Denko Corporation

30. Patent Number(s): US8950587 B2, CN103619437A, EP2624934A2, US20110079553, US20140063242, US20150182885, WO2012047979A2, WO2012047979A3
Title: Filter media suitable for hydraulic applications
Inventor Name(s): Cameron Thomson, Milind Godsay, Randall Keisler
Patent Assignee(s): Hollingsworth & Vose Company

31. Patent Number(s): US9283501 B2, CN102917769A, CN102917769B, EP2563493A1, EP2563493A4, US8679218, US20110259813, US20140144113, WO2011137154A1
Title: Filter media with a multi-layer structure
Inventor Name(s): John A. Wertz, Douglas M. Guimond
Patent Assignee(s): Hollingsworth & Vose Company

32. Patent Number(s): US20090008316 A1, CN101389388A, CN101389388B, EP1986758A1, WO2007096128A1
Title: Filter Plate for Use in a Filter Stack
Inventor Name(s): John Verhaeghe, Johan Hugelier, Martin Van Haeke, Johan Van Meenen
Patent Assignee(s): John Verhaeghe, Johan Hugelier, Martin Van Haeke, Johan Van Meenen

33. Patent Number(s): US20100096317 A1, CA2662925A1, CN101541406A, CN101541406B, EP2060314A1, EP2060314A4, WO2009004962A1
Title: Flat sheet membrane element for filtration and flat sheet membrane filtration module
Inventor Name(s): Toru Morita
Patent Assignee(s): Sumitomo Electric Fine Polymer, Inc.

34. Patent Number(s): WO2014093743 A1, US20150343388, WO2014093743A8
Title: Constructions for fluid membrane separation devices
Inventor Name(s): Jonathan F. Hester, Gustavo H. Castro, Thomas Herdtle, Liming Song
Patent Assignee(s): 3M Innovative Properties Company

35. Patent Number(s): US20150314241 A1, CN104837545A, EP2931408A1, WO2014092969A1
Title: Constructions for fluid membrane separation devices

Inventor Name(s): Jonathan F. Hester, Gustavo H. Castro, Thomas Herdtle, Jimmy M. Le, Liming Song
Patent Assignee(s): 3M Innovative Properties Company

36. Patent Number(s): WO2014046898 A1
Title: Fluid separation unit for extraction of bioethanol
Inventor Name(s): John W. Henderson, Brady P. HAISLET, Brent R. Hansen, Jonathan F. Hester, Qihong Nie, John F. Reed, John B. Scheibner, David F. Slama, Steven E. Turch
Patent Assignee(s): 3M Innovative Properties Company

37. Patent Number(s): US20130146532 A1, WO2013085664A1
Title: Feed spacer for spiral wound membrane element
Inventor Name(s): Prasanna Rao Dontula, Yatin Tayalia, Upen Jayant BHARWADA
Patent Assignee(s): General Electric Company

38. Patent Number(s): WO2008055486 A1, DE112007003252A5, DE202006017104U1
Title: Filter pocket
Inventor Name(s): Ulrich Weise
Patent Assignee(s): Weise Water Systems Gmbh

39. Patent Number(s): EP2742992 A1, CN103842055A, EP2742992A4, US20140251896, WO2013047746A1
Title: Separation membrane, separation membrane element, and production method for separation membrane
Inventor Name(s): Hiroho Hirozawa, Masakazu Koiwa, Kentaro Takagi, Yoshiki Okamoto, Hiroyuki Yamada, Tsuyoshi Hamada, Katsufumi Oto, Masahiro Kimura, Less «
Patent Assignee(s): Toray Industries, Inc.

40. Patent Number(s): EP2735357 A1, CN103842054A, CN103842054B, EP2735357A4, US20140231332, WO2013047744A1
Title: Separation membrane and separation membrane element
Inventor Name(s): Hiroho Hirozawa, Masakazu Koiwa, Kentaro Takagi, Yoshiki Okamoto, Hiroyuki Yamada, Tsuyoshi Hamada, Katsufumi Oto, Masahiro Kimura, Less «
Patent Assignee(s): Toray Industries, Inc.

41. Patent Number(s): CN102897899 A, CN102897899B
Title: Modified biological filler for wastewater treatment and preparation method thereof
Inventor Name(s): 祁佩时, 陈洪一, 王健, 刘云芝
Patent Assignee(s): 哈尔滨工业大学

Република Србија
МИНИСТАРСТВО ПРОСВЕТЕ И НАУКЕ
Комисија за стицање научних звања

Број:06-00-75/568
29.02.2012. године
Б е о г р а д

На основу члана 22. става 2. члана 70. став 5. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05 и 50/06 – исправка и 18/10), члана 2. става 1. и 2. тачке 1 – 4.(прилози) и члана 38. Правилника о поступку и начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 38/08) и захтева који је поднео

Институт за хемију, технологију и металургију у Београду

Комисија за стицање научних звања на седници одржаној 29.02.2012. године, донела је

ОДЛУКУ
О СТИЦАЊУ НАУЧНОГ ЗВАЊА

Др Филип Радовановић
стиче научно звање
Научни сарадник

у области техничко-технолошких наука - наука о материјалима

О Б Р А З Л О Ж Е Њ Е

Институт за хемију, технологију и металургију у Београду

утврдио је предлог број 1412 од 24.10.2011. године на седници научног већа Института и поднео захтев Комисији за стицање научних звања број 1422 од 27.10.2011. године за доношење одлуке о испуњености услова за стицање научног звања ***Научни сарадник***.

Комисија за стицање научних звања је по предходно прибављеном позитивном мишљењу Матичног научног одбора за материјале и хемијске технологије на седници одржаној 29.02.2012. године разматрала захтев и утврдила да именовани испуњава услове из члана 70. став 5. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05 и 50/06 – исправка и 18/10), члана 2. става 1. и 2. тачке 1 – 4.(прилози) и члана 38. Правилника о поступку и начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 38/08) за стицање научног звања ***Научни сарадник,*** па је одлучила као у изреци ове одлуке.

Доношењем ове одлуке именовани стиче сва права која му на основу ње по закону припадају.

Одлуку доставити подносиоцу захтева, именованом и архиви Министарства просвете и науке у Београду.

ПРЕДСЕДНИК КОМИСИЈЕ
др Станислава Стошић-Грујичић,
научни саветник

МИНИСТАР
Проф.др Жарко Обрадовић

Dr Filip Radovanović – Elektronske verzije publikacija

M21a i M21 - Rad u vrhunskom međunarodnom časopisu

P. Radovanovic, M. Kellner, J. Matovic, R. Liska, and T. Koch, “Asymmetric membranes with interpenetrating proton-conducting morphology made by a combination of immersion precipitation and photopolymerization,” *Journal of Membrane Science*, 401-402 (2012) 254-261.
http://dx.doi.org/10.1016/j.memsci.2012.02.012

M. Kellner, P. Radovanovic, J. Matovic, and R. Liska, “Novel cross-linkers for asymmetric poly-AMPS-based proton exchange membranes for fuel cells,” *Designed Monomers and Polymers,* 17 (2014) 372-379.
http://dx.doi.org/10.1080/15685551.2013.840513

F. Radovanović, A. Nastasović, T. Tomković, D. Vasiljević-Radović, A. Nešić, S. Veličković, A. Onjia, “Novel membrane adsorbers incorporating functionalized polyglycidyl methacrylate,” *Reactive and Functional Polymers*, 77 (2014) 1-10.
http://dx.doi.org/10.1016/j.reactfunctpolym.2014.01.007

T. Tomković, F. Radovanović, A. Nastasović, D. Vasiljević-Radović, J. Marković, B. Grgur, A. Onjia, “Solid phase extraction membranes with submicron multifunctional adsorbent particles,” *European Polymer Journal*, 63 (2015) 90-100.
http://dx.doi.org/10.1016/j.eurpolymj.2014.12.015

M23 - Rad u međunarodnom časopisu

T. Tomković, F. Radovanović, B. Grgur, A. Nastasović, D. Vasiljević-Radović, and A. Onjia, “Novel negatively-charged membrane adsorbers made using combination of photopolymerization and immersion precipitation,” *Journal of the Serbian Chemical Society*, 81 (2016) 419-431.
http://dx.doi.org/10.2298/JSC150805083T

M. Vorkapić, F. Radovanović, D. Ćoćkalo, D. Djordjević, “NPD in small manufacturing enterprises in Serbia,” *Technical Gazette*, doi:10.17559/TV-20150807185156,
http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/1091

M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

F. Radovanovic, “From viral barriers to proton conductors – novel applications for polymeric membranes,” Proc. 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, 2012, 420-427.
http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/1052

M33 - Saopštenje sa međunarodnog skupa štampano u celini

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