

Publikationen in Büchern

001. F. Jonas, S. Kirchmeyer
»Functional conductive 3,4-polyethylenedioxythiophene layers«
Jahrbuch Oberflächentechnik (2006), 62, 162-169
002. S. Kirchmeyer, K. Reuter, J.C. Simpson
»Poly(3,4-ethylenedioxythiophene) - scientific importance, remarkable properties, and applications«, Handbook of Conducting Polymers (3rd Edition) (2007), Volume 1, 10/1-10/22.
Editor(s): Skotheim, Terje A.; Reynolds, John R. Publisher: CRC Press LLC, Boca Raton, USA
003. S. Kirchmeyer, A. Elschner
»PEDOT« in »Organic Photovoltaics: Materials, Device Physics, and Manufacturing Technologies«
edited by Christoph Brabec, Vladimir Dyakonov, and Ullrich Scherf
WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, 2008
004. K. Reuter, S. Kirchmeyer, A. Elschner
»PEDOT – Properties and Technical Relevance« in »Handbook of Thiophene-Based Materials«
edited by I.F. Perepichka, and D.F. Perepichka, John Wiley, and Sons, Southern Gate 2009
005. S. Kirchmeyer, A. Elschner, K. Reuter, W. Lövenich, U. Merker
»PEDOT: Principles and Applications of an Intrinsically Conductive Polymer«
CRC Press 2010
006. S. A. Ponomarenko, S. Kirchmeyer,
»Conjugated organosilicon materials for organic electronics and photonics«
Advances in Polymer Science (2010), 235 (Silicon Polymers), 33-110
007. S. Ponomarenko, S. Kirchmeyer
»Recent advances in organic electronics materials and devices«
Polymer Science, Series C (2014), 56(1), 33-48

Veröffentlichungen in Journalen

008. S. Kirchmeyer, A. Mertens, M. Arvanaghi, G.A. Olah
»Synthetic methods and reactions; 114. General procedure for the conversion of acetals and ketone acetals into 2-alkoxyalkanenitriles using cyanotrimethylsilane«
Synthesis (1983), (6), 498-500
009. S. Kirchmeyer, A. Mertens, G.A. Olah
»Synthetic methods and reactions; 115. Conversion of acetals and ketone acetals into azido compounds using trimethylsilyl azide«
Synthesis (1983), (6), 500-2.

010. M. Stöbbe, S. Kirchmeyer, G. Adiwidjaja, A. De Meijere
»Simple access to the intramolecular quinhydrone [2.2]paracyclophanediene«
Angewandte Chemie (1986), 98(2), 162-3
011. S. Kirchmeyer, A. De Meijere
»Strained hydrocarbon skeletons: pentacyclo[6.4.0.0^{2,4}.0^{3,10}.0^{7,9}]dodecanes by [2 + 2]-cycloadditions to substituted dihydrobullvalenes«
Chemische Berichte (1987), 120(12), 2083-5
012. R.D. Miller, W. Theis, G. Heilig, S. Kirchmeyer
»The generation and rearrangement of 2-diazocarbonylcyclobutanones: the formation of 5-spirocyclopropyl-2(5H)furanones«
NATO ASI Series, Series C: Mathematical and Physical Sciences (1989), 273 (Strain Its Implic. Org. Chem.), 255-8
013. S. Kirchmeyer, A. De Meijere
»Synthesis and chemical transformations of 4,5-homospoutene derivatives: an attempted new access onto the (CH)₁₂ energy hypersurface«
Helvetica Chimica Acta (1990), 73(5), 1182-96
014. R.D. Miller, W. Theis, G. Heilig, S. Kirchmeyer
»The generation and rearrangement of 2-(diazooacetyl)cyclobutanones: the formation of 5-spirocyclopropyl-2(5H)-furanones«
Journal of Organic Chemistry (1991), 56(4), 1453-63
015. S. Kirchmeyer, A. Karbach, H.-P. Müller, H.M. Meier, R. Dhein
»Ordered epoxy networks from 4-glycidyloxyphenyl 4-glycidyloxybenzoate and 3- and 4-aminophenyl 4-aminobenzoate«
Angewandte Makromolekulare Chemie (1991), 185-186, 33-42
016. R.D. Miller, S. Kirchmeyer
»Photochemical rearrangement of some cyclobutene-1,2-diones in the presence of cyclopentadiene: a mechanistic study«
Journal of Organic Chemistry (1993), 58(1), 90-4
017. S. Kirchmeyer, H.-P. Müller, R. Dhein, H.M. Meier
»Model investigations on the topology of the curing reaction of ordered epoxy networks«
Angewandte Makromolekulare Chemie (1993), 211, 61-77
018. A. Elschner, F. Bruder, H.W. Heuer, F. Jonas, A. Karbach, S. Kirchmeyer, S. Thurm, R. Wehrmann
»PEDT/PSS for efficient hole-injection in hybrid organic light-emitting diodes«
Synthetic Metals (2000), 111-112, 139-143
019. A. Elschner, H.W. Heuer, F. Jonas, S. Kirchmeyer, R. Wehrmann, K. Wussow
»Gallium complexes in three-layer organic electroluminescent devices«
Advanced Materials (Weinheim, Germany) (2001), 13(23), 1811-1814
020. Z.A. Rotenberg, N.M. Alpatova, E.V. Ovsyannikova, S. Kirchmeyer, F. Jonas
Photoelectrochemical Behavior of Poly(3,4-ethylenedioxythiophene) in Acetonitrile Solutions during Cathodic Reduction of Oxygen«
Russian Journal of Electrochemistry (Translation of Elektrokhimiya) (2002), 38(11), 1244-1249
021. N.M. Alpatova, E.V. Ovsyannikova, F. Jonas, S. Kirchmeyer, E.Y. Pisarevskaya, M.Y. Grosheva
»Redox Conversions of Poly(3,4-ethylenedioxythiophene) and Its Copolymer with Bithiophene in Aprotic Media of Different Donor Capability«
Russian Journal of Electrochemistry (Translation of Elektrokhimiya) (2002), 38(6), 576-582

022. H.W. Heuer, R. Wehrmann, S. Kirchmeyer
»Electrochromic window based on conducting poly(3,4-ethylenedioxythiophene)-poly(styrene sulfonate)«
 Advanced Functional Materials (2002), 12(2), 89-94
023. M. Halik, H. Klauk, U. Zschieschang, G. Schmid, W. Radlik, S. Ponomarenko, S. Kirchmeyer, W. Weber
»High-mobility organic thin-film transistors based on α,α' -didecyloligothiophenes«
 Journal of Applied Physics (2003), 93(5), 2977-2981
024. A.M. Higgins, S.J. Martin, P.C. Jukes, M. Geoghegan, Mark; R.A.L. Jones, S. Langridge, R. Cubitt, S. Kirchmeyer, A. Wehrum, I. Grizzi
»Interfacial structure in semiconducting polymer devices«
 Journal of Materials Chemistry (2003), 13(11), 2814-2818
025. M. Halik, H. Klauk, U. Zschieschang, G. Schmid, S. Ponomarenko, S. Kirchmeyer, W. Weber
»Relationship between molecular structure and electrical performance of oligothiophene organic thin film transistors«
 Advanced Materials (Weinheim, Germany) (2003), 15(11), 917-922
026. S. A. Ponomarenko, S. Kirchmeyer, A. Elschner, B.H. Huisman, A. Karbach, D. Drechsler
»Star-shaped oligothiophenes for solution-processible organic field-effect transistors«
 Advanced Functional Materials (2003), 13(8), 591-596
027. N.M. Alpatova, E.V. Ovsyannikova, M.Y. Grosheva, V.V. Topolev, S. Kirchmeyer, F. Jonas, V.M. Bazhenov, V.A. Nikanorov
»Electrochemical synthesis of Poly layer compositions from precursors of the thiophene series«
 Synthetic Metals (2003), 138(3), 507-512
028. K. Book, H. Bässler, A. Elschner, S. Kirchmeyer
»Hole injection from an ITO/PEDT anode into the hole transporting layer of an OLED probed by bias induced absorption«
 Organic Electronics (2003), 4(4), 227-232
029. S. Ponomarenko, S. Kirchmeyer
»Synthesis and thermal behaviour of α,α' -didecyloligothiophenes«
 Journal of Materials Chemistry (2003), 13(2), 197-202
030. M. Halik, Marcus; H. Klauk, U. Zschieschang, G. Schmid, S.A. Ponomarenko, S. Kirchmeyer
»Oligothiophene organic thin film transistors and circuits«
 Materials Research Society Symposium Proceedings (2003), 771(Organic and Polymeric Materials and Devices), 11-16.
031. L. Brassat, S. Kirchmeyer
»Polymer electronics. On the way to printed IC«
 Produktion von Leiterplatten und Systemen (2004), 6(9), 1576-1581
032. N.M. Alpatova, Z.A. Rotenberg, E.V. Ovsyannikova, V.V. Topolev, M.Y. Grosheva, S. Kirchmeyer, F. Jonas
»Poly(3,4-ethylenedioxythiophene) Heterogeneity: A Differential Cyclic Voltabsorptometry Study«
 Russian Journal of Electrochemistry (Translation of Elektrokhimiya), (2004), 40(9), 917-923
033. E.V. Ovsyannikova, M.Yu. Grosheva, V.V. Topolev, S.V. Timofeev, L.P. Bobrova, F. Jonas, S. Kirchmeyer, A.D. Aliev, N.M. Alpatova
»Electrosynthesis of Poly(3,4-ethylenedioxythiophene) and Its Composite with a Polymer Perfluorinated Sulfo-Cationite from Water-Acetonitrile Solutions«
 Russian Journal of Electrochemistry (Translation of Elektrokhimiya) (2004), 40(8), 825-830

034. P.C. Jukes, S.J. Martin, A.M. Higgins, M. Geoghegan, R.A.L. Jones, S. Langridge, A. Wehrum, S. Kirchmeyer
»Controlling the surface composition of poly(3,4-ethylene dioxythiophene)-poly(styrene sulfonate) blends by heat treatment«
Advanced Materials (Weinheim, Germany) (2004), 16(9-10), 807-811
035. S. Kirchmeyer, L. Brassat
»Intrinsisch leitfähige Polymere«
Kunststoffe (2005), 10, 202-208.
036. S. Kirchmeyer, K. Reuter
»Scientific importance, properties and growing applications of poly(3,4-ethylenedioxythiophene)«
Journal of Materials Chemistry (2005), 15(21), 2077-2088
037. S.A. Ponomarenko, S. Kirchmeyer, L. Brassat, A. Elschner, J. Simpson
»Synthesis, thermal, and optical properties of end-capped oligothiophenes for use in organic electronics«
Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (2005), 46(1), 576-577
038. S.A. Ponomarenko, S. Kirchmeyer, L. Brassat, A. Elschner, J. Simpson
»Synthesis, thermal, and optical properties of end-capped oligothiophenes for use in organic electronics«
Abstracts of Papers, 229th ACS National Meeting, San Diego, March 13-17, 2005 (2005).
039. S.J. Martin, R.A.L. Jones, M. Geoghegan, A. M. Higgins, I. Grizzi, J. J. M. Halls, S. Kirchmeyer, R. M. Dalgliesh
»Current-induced chain migration in semiconductor polymer blends«
Physical Review B: Condensed Matter and Materials Physics (2005), 71(8), 081308/1-081308/4
040. S. Kirchmeyer, L. Brassat, A. Elschner, S.A. Ponomarenko
»Material Design for Plastic Electronics«
Kunststoff Trends (2005), 5, 64-65.
041. A. Elschner, F. Jonas, S. Kirchmeyer, W. Lövenich, N. Koch, K. Fehse, M. Pfeiffer, K. Walzer, K. Leo
»High-Conductive PEDOT/PSS for ITO-substitution in OLEDs«
IDW'06 - OLED3-4L, Proceedings of the 13th International Display Workshop, December 6 - 8, 2006, Otsu Prince Hotel, Otsu, Japan
042. S.A. Ponomarenko, E.A. Tatarinova, A.M. Muzafarov, S. Kirchmeyer, L. Brassat, A. Mourran, M. Möller, Martin, S. Setayesh, D. de Leeuw
»Star-Shaped Oligothiophenes for Solution-Processible Organic Electronics: Flexible Aliphatic Spacers Approach«
Chemistry of Materials (2006), 18(17), 4101-4108
043. S. Kirchmeyer
»Polymer electronics. Between materials and processes«
Nachrichten aus der Chemie (2006), 54(10), 971-977
044. S.A. Ponomarenko, S. Kirchmeyer, A. Elschner, N.M. Alpatova, M. Halik, H. Klauk, U. Zschieschang, G. Schmid
»Decyl-End-Capped Thiophene-Phenylene Oligomers as Organic Semiconducting Materials with Improved Oxidation Stability«
Chemistry of Materials (2006), 18(2), 579-586.
045. A. Nennemann, M. Vötz, G. Hey, L. Puppe, S. Kirchmeyer
»Colloidchemical interactions of silica particles in the Cu-CMP-process«
Progress in Colloid and Polymer Science (2006), 133, 159-168
046. S. Kirchmeyer, L. Brassat, A. Elschner, S.A. Ponomarenko
»Material design for plastic electronics: conducting and semiconducting materials based on thiophene oligomers and polymers«
G.I.T. Laboratory Journal, Europe (2006), 10(2), 24-26

047. D.H. Song, M.H. Choi, J.Y. Kim, J. Jang, Jin, S. Kirchmeyer
»Process optimization of organic thin-film transistor by ink-jet printing of DH₄T on plastic«
Applied Physics Letters (2007), 90(5), 053504/1-053504/3
048. S.A. Ponomarenko, E.A. Tatarinova, T. Meyer-Friedrichsen, S. Kirchmeyer, S. Setayesh, D. de Leeuw, S.N. Magonov, A.M. Muzafarov
»Solution processible quaterthiophene-containing carbosilane dendrimers«
PMSE Preprints (2007), 96, 298-299
049. S.A. Ponomarenko, E.A. Tatarinova, T. Meyer-Friedrichsen, S. Kirchmeyer, S. Setayesh, D. de Leeuw, S.N. Magonov, A.M. Muzafarov
»Solution processable quaterthiophene-containing carbosilane dendrimers«
Abstracts of Papers, 233rd ACS National Meeting, Chicago, March 25-29, 2007 (2007), PMSE-183
050. S. Kirchmeyer, D. Gaiser
»Extremely flat and flexible. Polymer electronics«
Kunststoffe (2007), 97(8), 129-134
051. E.C.P. Smits, S.G.J. Mathijssen, P.A. van Hal, S. Setayesh, T.C.T. Geuns, K.A.H.A. Mutsaers, E. Cantatore, H.J. Wondergem, O. Werzer, R. Resel, M. Kemerink, S. Kirchmeyer, A.M. Muzafarov, S.A. Ponomarenko, B. de Boer, P.W.M. Blom, D.M. de Leeuw
»Bottom-up organic integrated circuits«
Nature (2008), 455(7215), 956-959
052. A. Elschner, F. Jonas, S. Kirchmeyer, W. Loevenich
»Invited paper: PEDOT-based layers for TCO-substitution and hole-injection«
Digest of Technical Papers - Society for Information Display International Symposium (2008), 39(BK. 1), 407-410
053. T.B. Thiede, H. Parala, K. Reuter, G. Passing, S. Kirchmeyer, J. Hinz, M. Lemberger, A.J. Bauer, D. Barreca, A. Gasparotto, Alberto, et al
»Deposition of Niobium Nitride Thin Films from Tert-Butylamido-Tris-(Diethylamido)-Niobium by a Modified Industrial MOCVD Reactor«
Chemical Vapor Deposition (2009), 15(10-12), 334-341
054. C.H. Kim, M.H. Choi, S.H. Lee, J. Jang, S. Kirchmeyer
»Dependence of persistent photocurrent on gate bias in inkjet printed organic thin-film transistor«
Applied Physics Letters (2010), 96(12), 123301/1-123301/3
055. S. A. Ponomarenko, O.V. Borshchev, T. Meyer-Friedrichsen, A.P. Pleshkova, S. Setayesh, E.C.P. Smits, S.G.J. Mathijssen, D.M. de Leeuw, S. Kirchmeyer, A.M. Muzafarov
»Synthesis of Monochlorosilyl Derivatives of Dialkyloligothiophenes for Self-Assembling Monolayer Field-Effect Transistors«
Organometallics (2010), 29(19), 4213-4226
056. T. Thiede, H. Parala, K. Reuter, G. Passing, S. Kirchmeyer, J. Hinz, M. Lemberger, A.J. Bauer, R.A. Fischer
»Evaluation of MOCVD grown niobium nitride films as gate electrode for advanced CMOS technology«
ECS Transactions (2008), 16(5), 229-234
057. D. Gaiser, S. Kirchmeyer
»Quantensprünge für OPV«
Chemie Technik – productronic - Elektronik Industrie - Special Photovoltaik 2009 (2009), 14

058. D.V. Anokhin, M. Defaux, A. Mourran, M. Moeller, Y.N. Luponosov, O. Borshchev, A. V. Bakirov, M. A. Shcherbina, S. N. Chvalun, T. Meyer-Friedrichsen, A. Elschner, S. Kirchmeyer, S.A. Ponomarenko, D.A. Ivanov
»Effect of Molecular Structure of α,α' -Dialkylquaterthiophenes and Their Organosilicon Multipods on Ordering, Phase Behavior, and Charge Carrier Mobility«
Journal of Physical Chemistry C (2012), 116(43), 22727-22736
059. S. Kirchmeyer
»The OE-A Roadmap for Organic and Printed Electronics: Creating a Guidepost to Complex Interlinked Technologies, Applications and Markets«
Translational Materials Research, in press

Veröffentlichungen in Journalen

060. S. Kirchmeyer, H.-P. Müller, A. Karbach, J. Franke
»Impact-resistant materials from curable diepoxide-diamine compositions«
EP 475023 (Bayer AG) 1990
061. S. Kirchmeyer, G. Heilig, Gerhard; H.-P. Müller, R. Wiedermann
»Preparation of urethanes as catalysts for polyaddition of isocyanates«
EP 477718 (Bayer AG) 1990
062. H.-P. Müller, S. Kirchmeyer, J. Franke
»Crosslinking of epoxy resins by anhydrides«
DE 4021328 (Bayer AG) 1990
063. S. Kirchmeyer, H.-P. Müller, A. Karbach
»Polymeric epoxy networks with superstructures, their preparation and use«
EP 445401 (Bayer AG) 1990
064. S. Kirchmeyer, H.-P. Müller, H. Kober, S. Böhm, J. Pedain
»Use of polyisocyanate solutions for the impregnation of mineral substrates, fluorine-containing polyisocyanates, and alcohols for their preparation«
EP 540976 (Bayer AG) 1991
065. S. Kirchmeyer, Stephan, C. Wolfrum, H.-P. Müller
»Catalysts for cyclotrimerization of isocyanates«
WO 1993/12153 (Bayer AG) 1991
066. S. Kirchmeyer, H.-P. Müller, H.-G. Wussow, B. Reibold
»Thermoplastic polyurethane ureas and their (dis)continuous preparation«
US 5688863 (Bayer AG) 1993
067. S. Kirchmeyer, H.-P. Müller, H.-G. Wussow, B. Reibold
»Multistage preparation of thermoplastic polyurethane-polyureas in presence of polyoxyalkylene emulsifiers«
EP 646610 (Bayer AG) 1993
068. S. Kirchmeyer, M. Richter
»Preparation of fluorine containing alkoxy silanes«
EP 640611 (Bayer AG) 1993

069. R. Audenaert, S. Kirchmeyer, H.-P. Müller, A. El Sayed, G. Heger
»Coupling agents for glass fibers in thermoplastic molding compositions«
EP 612798 (Bayer AG) 1993
070. R. Audenaert, S. Kirchmeyer, H.-P. Müller, K. Wussow
»Film-forming agent- and adhesion-promoting agent-containing aqueous sizes for glass fibers, the coated glass fibers obtained, and molding compositions containing the coated glass fibers, and their use«
DE 4305727 (Bayer AG) 1993
071. R. Audenaert, S. Kirchmeyer, K. Sirinyan, W. Henning
»Modified polyolefin aqueous dispersions and their use«
EP 561249 (Bayer AG) 1993
072. S. Kirchmeyer, A. Karbach, R. Audenaert
»Modified aqueous polyolefin dispersions especially useful for sizing glass fibers«
EP 751101 (Bayer AG) 1995
073. R. Audenaert, S. Kirchmeyer, R. Dhein
»Water-dispersible, fire-resistant resins for sizing of glass fibers«
EP 652241 (Bayer AG) 1994
074. S. Kirchmeyer, K. Pohmer
»Water-dispersible resins obtained by reacting an epoxy resin with a polyoxyethylene derivative and a perfluoroalkanesulfonamide«
EP 693476 (Bayer AG) 1994
075. S. Kirchmeyer, K. Pohmer, T. Hassel
»Crosslinkable compositions containing perfluoroalkyl group-containing alkoxy silanes and water«
EP 694551 (Bayer AG) 1994
076. S. Kirchmeyer, A. Karbach, R. Audenaert
»Size compositions, sized glass fibers, and their use«
EP 751100 (Bayer AG) 1995
077. W. von Bonin, G. Jabs, S. Kirchmeyer, B. Raffel, K. Wussow
»Manufacture of film-forming, aqueous, metal phosphate-amine complexes and their use for fire-resistant materials«
EP 758676 (Bayer AG) 1995
078. S. Kirchmeyer, J. Kalbe
»Nitrile chain extenders for thermoplastic polyurethanes«
DE 19523387 (Bayer AG) 1995
079. S. Kirchmeyer, H.-P. Müller, J. Fährndrich, H.-G. Hoppe
»Thermoplastic polyurea-urethane rubbers«
EP 747410, (Bayer AG) 1995
080. S. Kirchmeyer, H.-P. Müller, M. Ullrich, U. Liesenfelder
»Thermoplastic polyurethane elastomer manufacture by static mixing«
EP 747409 (Bayer AG) 1995
081. S. Kirchmeyer, H.-P. Müller, M. Ullrich, U. Liesenfelder
»Thermoplastic polyurethane-urea elastomers, their continuous production and their use«
EP 747408 (Bayer AG) 1995

- o82. S. Kirchmeyer, J. Mazanek, O. Wilmes, K. König
»Reaction product of polyisocyanate and polyether as dispersing agent for solids in water-thinned lacquers«
EP 826753 (Bayer AG) 1995
- o83. W. Kaufhold, H.-P. Müller, S. Kirchmeyer
»Manufacture of new diisocyanate-diol adducts«
DE 19652221 (Bayer AG) 1996
- o84. S. Kirchmeyer, M. Kressner, J. Leitermann, R. Nyssen, C. Wamprecht
»Pigment preparations for polyurethane foams«
EP 829496 (Bayer AG) 1996
- o85. J. Kijlstra, S. Kirchmeyer, P.R. Nyssen, D. Pfützenreuter, C. Wamprecht
»Pigment preparations for ink-jet printing«
EP 827973 (Bayer AG) 1996
- o86. C. Wamprecht, O. Wilmes, S. Kirchmeyer, J. Mazanek
»New dispersion aids for aqueous coatings«
EP 826753 (Bayer AG) 1996
- o87. S. Kirchmeyer, J. Mazanek, K.-H. Käsler
»Fluorocarbon dispersants for aqueous coating compositions«
EP 749994 (Bayer AG) 1996
- o88. R. Audenaert, D. Joachimi, A. Karbach, S. Kirchmeyer, J. Simon
»Coated glass fibers for reinforcing plastics«
EP 1010678 (Bayer AG) 1998
- o89. S. Kirchmeyer, H. Eversheim, M. Mechtel, M. Mager, H. Kraus
»Crosslinkable hyperbranched silicon-based polymers, their manufacture and use«
WO 2000/002954 (Bayer AG) 1998
- o90. T. Naumann, S. Kirchmeyer
»Production of abrasion-resistant, printed silicone moldings«
WO 2000/000355 (GE Bayer Silicones GmbH & Co. KG) 1998
- o91. S. Kirchmeyer, M. Mechtel, M. Mager
»Aqueous carbosilane suspensions, their preparation and use«
EP 960898 (Bayer AG) 1999
- o92. S. Kirchmeyer, M. Mechtel, K.-H. Käsler
»Aqueous compositions for treating building materials«
EP 960871 (Bayer AG) 1999
- o93. S. Kirchmeyer, D. Gehrman, B. Wessling
»Preparation and use of redispersible powder of electrically conductive thiophene polymers«
WO 2002/042352 (Bayer AG) 2000
- o94. S. Kirchmeyer, K. Wussow, F. Jonas, A. Elschner
»Preparation of polythiophenes with ready solubility or dispersibility«
EP 1215224 (Bayer AG) 2000
- o95. S. Kirchmeyer, F. Jonas
»Method for the direct electroplating of through-holes in printed circuit boards«
WO 2000/045625 (Bayer AG) 2000

096. G. Rauchschalbe, A. Klausener, S. Kirchmeyer, K. Reuter
»Preparation and polymerization of benzodioxanethiophenes into electrically conductive homopolymers«
EP 1275649 (Bayer AG, H.C. Starck GmbH) 2001
097. H. Berneth, F. Jonas, S. Kirchmeyer, U. Merker, A. Michaelis, R. Neigl
»Electrochromic devices with electrochromic media enclosed by oligomer- or polymer-coated plates«
DE 10148438 (Bayer AG) 2001
098. B. Wessling, S. Kirchmeyer, D. Gehrman
»Preparation and use of dispersible powder of electrically conductive thiophene polymers«
WO 2002/042352 (Bayer AG) 2001
099. K. Vogt, D. Pantke, L. Puppe, S. Kirchmeyer
»Manufacture of polishing agent for planar silica layers of integrated circuit boards«
WO 2001/074958 (Bayer AG) 2001
100. S. Kirchmeyer, K. Wussow, T. Hosomi, Y. Chikusa
»Method for producing aqueous dispersions containing complexes of poly(3,4-dialkoxythiophenes) and polyanions for coatings«
EP 1384739 (H.C. Starck GmbH, Nagase & Co., Ltd., Nagase Chemtex Corporation) 2002
101. S. Kirchmeyer, S. Ponomarenko
»Procedure for the production linear organic oligomers for use in semiconductor films and devices«
EP 1439173 (H.C. Starck GmbH, 2002)
102. S. Kirchmeyer, D. Gaiser, H. Kraus, U. Merker
»Method for production of dielectric layers using polyfunctional carbosilanes«
WO 2003/052809 (Bayer AG) 2002
103. S. Kirchmeyer, F. Jonas
»Formation of transparent layers of polythiophene having high conductivity«
EP 1338617 (Bayer AG) 2002
104. K. Reuter, S. Kirchmeyer
»Production of neutral poly(ethylenedioxythiophenes)«
EP 1327645, Bayer AG) 2002
105. F. Jonas, S. Kirchmeyer
»Manufacture of novel polythiophene dispersions and their use«
WO 2002/072660 (Bayer AG) 2002
106. R. Otterstedt, S. Kirchmeyer, L. Brassat
»Overcharge protection of nonaqueous rechargeable lithium batteries by cyano-substituted thiophenes as electrolyte additives«
US 20040053138 (H.C. Starck GmbH) 2003
107. S. Kirchmeyer, S. A. Ponomarenko
»Stable solutions of organic semiconductor materials«
EP 1482575 (H.C. Starck GmbH) 2003
108. S. Kirchmeyer, S. Ponomarenko
»Dendritic polymers for semiconductor materials«
EP 1398341 (H.C. Starck GmbH) 2003
109. U. Merker, S. Kirchmeyer, K. Wussow
»Retarding oxidizing agent for the production of conductive polymers«
WO 2004/088672 (H.C. Starck GmbH, 2003)

110. S. Kirchmeyer, S. Ponomarenko
»Process for the production of linear organic thiophene-phenylene oligomers semiconductive coatings«
EP 1531154 (H.C. Starck GmbH & Co. KG) 2004
111. L. Brassat, S. Kirchmeyer
»Process for the purification of thiophenes by means of precipitation«
EP 1518859 (H.C. Starck GmbH & Co. KG) 2004
112. S. Kirchmeyer, S. Ponomarenko, M. Halik
»Preparation of silicon and thiophene containing asymmetrical linear organic oligomers useful for electronic industry«
EP 1531155 H.C. Starck GmbH) 2004
113. L. Brassat, S. Kirchmeyer, K. Reuter
»Preparation of 3,4-methylenedioxythiophenes«
EP 1598358 (H.C. Starck GmbH) 2005
114. S. Kirchmeyer, S. Ponomarenko, A. Muzafarov
»Macromolecular compounds with core-shell structures«
EP 1580217 (H.C. Starck GmbH, 2005)
115. K. Reuter, S. Kirchmeyer, F. Jonas
»Production of electrically conductive polyethylenedioxythiophenes«
EP 1741737 (H.C. Starck GmbH & Co. KG) 2006
116. K. Reuter, S. Kirchmeyer, D. Gäss, M. Pokoj, J. Sundermeyer, W. Stolz, T. Ochs, K. Volz
»Tantalum and niobium hydrazine complexes as precursors for chemical vapor deposition of metal nitride films«
EP 1894937 (H.C. Starck GmbH) 2006
117. Y. Morita, Y. Chikusa, K. Miyanishi, S. Kirchmeyer, W. Lövenich
»Process for producing aqueous dispersion of composite of poly(3,4-dialkoxythiophene) with polyanion«
WO 2007/058036 (Nagase Chemtex Corporation, H. C. Starck GmbH) 2006
118. K. Reuter, G. Passing, S. Kirchmeyer
»Procedure for the separation of zirconium from hafnium«
EP 1854801 (H.C. Starck GmbH & Co. KG) 2006
119. K. Reuter, S. Kirchmeyer, U. Merker, P.W. Lövenich, T. Meyer-Friedrichsen
»Process for preparing polythiophenes using organic peroxides as oxidizing agents«
WO 2008/034848 (H.C. Starck GmbH) 2007
120. T. Meyer-Friedrichsen, S. Kirchmeyer, A. Elschner, S.A. Ponomarenko
»Oligomeric compounds which form a semiconductor layer and mixtures containing them and devices using them«
WO 2008/031813 (H.C. Starck GmbH) 2007
121. K. Reuter, S. Kirchmeyer
»Process for preparing polythiophenes«
WO 2007/085371 (H.C. Starck GmbH & Co. KG) 2007
122. D. Pantke, S. Kirchmeyer, R. Musch, K. Panskus
»Aqueous adhesive and coating formulations«
EP 1854857 (H. C. Starck GmbH) 2007
123. W. Loevenich, S. Kirchmeyer, A. Elschner, K. Reuter, K. Muellen, M. Klapper, K. Mueller
»Novel polythiophene polyanion complexes in homopolar organic solvents«
WO 2009/135752 (H.C. Starck) 2009

124. T. Meyer-Friedrichsen, S Kirchmeyer, A. Elschner, S. Ponomarenko
»Preparation of macromolecular compounds having core-shell structure for use as semiconductors«
WO 2009/112319 (H.C. Starck) 2009
125. L. Puppe, W. Loevenich, A. Elschner, S. Kirchmeyer
»Particles having a core-shell structure for conductive layers«
WO 2009/043648 (H.C. Starck) 2009
126. K. Panskus, R. Musch, D. Pantke, S. Kirchmeyer
»Concentrating an aqueous dispersion comprising organic polymer particles and silicon dioxide particles«
WO 2012/175553 (2012)
127. K. Panskus, R. Musch, S. Kirchmeyer, D. Pantke
»Method for concentrating an aqueous silicon dioxide dispersion«
WO 2012/175529 (H.C. Starck GmbH) 2012
128. W. Loevenich, S. Kirchmeyer, A. Elschner
»Fluorinated amines as self-assembled monolayer (SAM) in organic light-emitting diode (OLED)«
WO 2012/143109 (Heraeus) 2012
129. U. Guntermann, A. Elschner, S. Kirchmeyer
»Conductive polymer layer as an antistatic protection shield for polarization filter«
WO 2013/127500 (Heraeus) 2013
130. W. Loevenich, T. Meyer-Friedrichsen, S. Kirchmeyer, A. Elschner
»SAM films with HTL function«
WO 2013/010661 (Heraeus) 2013
131. W. Loevenich, A. Sautter, A. Elschner, A. Scheel, D. Riesebeck, S. Kirchmeyer
»Transparent layers of high conductivity and high efficiency in OLEDs and process for their production«
WO 2014063825 (Heraeus) 2014
132. S. Kirchmeyer
»The OE-A roadmap for organic and printed electronics: creating a guidepost to complex interlinked technologies, applications and markets«
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