

Search history

Search 1: diaper or nappy or absorbent article or sanitary female napkin or sanitary towel or panty liners (Results 54441)
Search 2: stiffness and softness and smoothness (Results 1122)
Search 3: 1 and 2 (Results 162)
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Search 5: 3 and 4 (Results 4)

Title: POLYPROPYLENE BASED FIBERS AND NONWOVENS

Abstract: The present invention relates to fibers and nonwovens made from plasticized polyolefin compositions comprising a polyolefin, a non-functionalized hydrocarbon plasticizer and a slip agent.

Classifications:

International (IPC 8-9): C08K5/00 C08L C08L23/10 C08L23/18 D01F6/00 D01F6/04 D01F6/06 D03D15/00 D04H1/00 D04H1/42 D04H1/4291 D04H3/007 D04H3/16 (Advanced/Invention);

C08K (Subclass/Invention)

CPC: Y10T428/2913 Y10T428/2967 C08K5/0016 C08K5/20 C08L23/10 D01F1/10 Y10T442/60 Y10T442/637 D04H1/4382 D01F6/46

European: C08K5/00P1 D01F1/10 D01F6/46 D04H1/42 M08K5/20 M08L23/10

JP F-Term: 4J002 4J002/AE05/2 4J002/AE05/3 4J002/BB03/2 4J002/BB03/3 4J002/BB14/1 4J002/BB19/2 4J002/BD12/3 4J002/BD15/3 4J002/CP03/3 4J002/EA01/6 4J002/EF05/7 4J002/EF09/7 4J002/EF11/7 4J002/EG02/7 4J002/EG03/7 4J002/EH04/7 4J002/EP01/7 4J002/EP02/7 4J002/FD02/2 4J002/FD20/3 4J002/FD20/7 4J002/GK01 4L035 4L035/AA05 4L035/BB32 4L035/BB51 4L035/EE20 4L035/FF05 4L035/JJ11 4L047 4L047/AA14 4L047/AA29 4L047/AB10 4L047/CC03 4L048 4L048/AA15 4L048/AA46 4L048/AB06 4L048/AC17 4L048/CA09 4L048/CA12 4L048/DA01 4L048/DA21 4L048/DA22

JP F-Index: C08K5/00 C08L23/10 C08L23/18 D01F6/04/Z D01F6/06/Z D03D15/00/A D04H1/42/K D04H1/4291 D04H3/00/D D04H3/007 D04H3/16

Family:

Publication number	Publication date	Application number	Application date
CN101360779 A	20090204	CN200680023813	20060419
CN101360779 B	20131113	CN200680023813	20060419
EP1879953 A2	20080123	EP20060769847	20060419
EP1879953 B1	20180919	EP20060769847	20060419
IL186977 A0	20080209	IL20060186977	20060419
IL186977 A1	20151231	IL20060186977	20060419
JP2008539340 T2	20081113	JP20080508920T	20060419
JP5186362 B2	20130417	JP20080508920T	20060419
MX2007013502 A1	20080121	MX20070013502	20060419
WO06118794 A2	20061109	WO2006US14692	20060419
WO06118794 A3	20070823	WO2006US14692	20060419

Priority:

US20050119193 20050429 WO2006US14692 20060419

Probable Assignee: EXXON MOBIL CORP

Assignee(s): (std): EXXON MOBIL CORP ; EXXONMOBIL CHEM PATENTS INC ; EXXONMOBIL CHEMICAL PATENTS INC ; KELLY MICHAEL B ; LUNDMARK BRUCE R ; LIN CHON YIE ; FERRY WILLIAM M ; LI WEN ; CHAPMAN BRYAN R ; CHENG CHIA Y ; EXXON MOBIL CHEM PATENTS INC

Assignee(s): EXXON MOBIL CHEMICAL PATENTS INC

Inventor(s): (std): WEN LI ; KELLY MICHAEL B ; LI WEN ; FERRY WILLIAM M ; CHENG CHIA Y ; CHAPMAN BRYAN R ; LUNDMARK BRUCE R ; LIN CHON YIE ; LIN CHON Y

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Agent(s): VELDTHUIZEN ALBERT DIRK WILLEM ET AL; EXXONMOBIL CHEMICAL EUROPE INC; WOLFF BREGMAN AND GOLLER; SUGIYAMA NAOTO; SHIROGANE HIROSHI; AKAMATSU TOSHIKI; YAMASAKI YUKUZO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: POLYPROPYLENE BASED FIBERS AND NONWOVENS

Abstract: The present invention relates to fibers and nonwovens made from plasticized polyolefin compositions comprising a polyolefin, a non-functionalized hydrocarbon plasticizer and a slip agent.

Classifications:

International (IPC 8-9): B32B27/32 D02G3/00 D04H1/42 (Advanced/Invention)

CPC: Y10T428/2913 Y10T428/2967 C08K5/0016 C08K5/20 C08L23/10 D01F1/10 Y10T442/60 Y10T442/637 D04H1/4382 D01F6/46

European: C08K5/00P1 D01F1/10 D01F6/46 D04H1/42 M08K5/20 M08L23/10

US: 428/364 428/364P 428/394 442/327 442/361

Family:

Publication number	Publication date	Application number	Application date
US2006008643 AA	20060112	US20050119193	20050429
US7998579 BB	20110816	US20050119193	20050429

Priority:

US20020402665P 20020812	US20030634351 20030804	US20030640435 20030812
US20040782306 20040219	US20040637429P 20041217	US20050655612P 20050222
US20050655310P 20050222	US20050119193 20050429	

Probable Assignee: EXXON MOBIL CORP

Assignee(s): (std): CHAPMAN BRYAN R ; CHENG CHIA Y ; EXXONMOBIL CHEM PATENTS INC ; KELLY MICHAEL B ; LI WEN ; FERRY WILLIAM M ; LIN CHON Y ; LUNDMARK BRUCE R

Assignee(s): EXXONMOBIL CHEMICAL PATENTS INC ; EXXON MOBIL CORP

Inventor(s): (std): LUNDMARK BRUCE R ; CHAPMAN BRYAN R ; LIN CHON Y ; FERRY WILLIAM M ; CHENG CHIA Y ; LI WEN ; KELLY MICHAEL B ; CHENG CHIA YUNG ; FERRY WILLIAM MICHAEL ; KELLY MICHAEL BRIAN ; LUNDMARK BRUCE ROBERT ; CHAPMAN BRYAN ROBERT ; LIN CHON YIE

Inventor(s): CHAPMAN BRYAN ; FERRY WILLIAM ; CHENG CHIA ; LIN CHON ; KELLY MICHAEL ; LUNDMARK BRUCE

Agent(s): EXXONMOBIL CHEMICAL COMPANY; EXXONMOBIL CHEMICAL CO; CATHERINE L; KEVIN M

Title: **SOFT** AND EXTENSIBLE POLYPROPYLENE BASED SPUNBOND NONWOVENS

Abstract: The present invention relates to nonwoven webs or fabrics. In particular, the present invention relates to nonwoven webs having superior abrasion resistance and excellent **softness** characteristics. The nonwoven materials comprise fibers made from of a polymer blend of isotactic polypropylene and reactor grade propylene based elastomers or plastomers together with from about 100 to about 2500 ppm (by weight of the fiber) of a slip agent. The isotactic polypropylene can be homopolymer polypropylene, and/or random copolymers of propylene and one or more alpha-olefins. The reactor grade propylene based elastomers or plastomers have a molecular weight distribution of less than about 3.5, and a heat of fusion less than about 90 joules/gm. In particular, the reactor grade propylene based elastomers or plastomers contains from about 3 to about 15 percent by weight of units derived from an ethylene and a melt flow rate of from about 2 to about 200 grams/10 minutes. Erucamide is the preferred slip additive.

Classifications:

International (IPC 8-9): B29C47/00 B32B27/02 D01F1/10 D01F6/46 D01F6/48 D01F8/06 D04H3/14 D04H3/153 D04H3/16 D04H5/00 (Advanced/Invention); B32B27/02 D04H3/00 D04H3/16 (Advanced/Non-invention)

International (IPC 1-7): B32B27/02

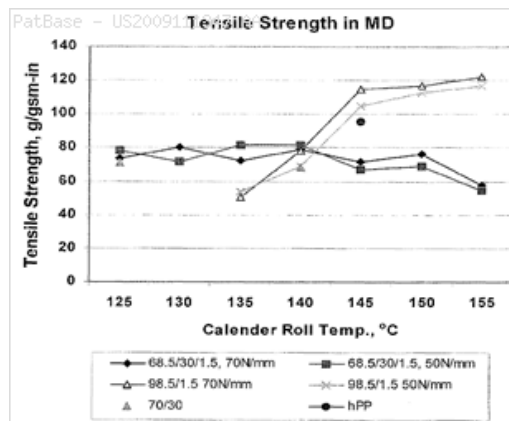
CPC: Y10T442/608 D04H3/16 D01F1/10 D01F6/46

European: D01F1/10 D01F6/46 D04H3/16

US: 264/211 264/211S 442/334 442/334P

JP F-Term: 4L035 4L035/AA05 4L035/BB31 4L035/EE08 4L035/EE20 4L035/FF05 4L035/JJ18 4L035/LA02 4L047 4L047/AA14 4L047/AA29 4L047/AB03 4L047/AB10 4L047/CA19 4L047/CC03

JP F-Index: D01F6/48/D D04H3/00/D D04H3/007 D04H3/16



Family:

Publication number	Publication date	Application number	Application date
BRPI0711223 A2	20110823	BR2007PI11223	20070521
CN101495692 A	20090729	CN200780027988	20070521
EP2029356 A2	20090304	EP20070797623	20070521
IN06463CN2008 A	20090327	IN2008CN06463	20081125
JP2009538394 T2	20091105	JP20090512245T	20070521
KR20090014302 A	20090209	KR20087031358	20081224
MX2008015005 A1	20090205	MX20080015005	20070521
RU2008151413 A	20100627	RU20080151413	20070521
TW200809021 A	20080216	TW20070118520	20070524
US2009111347 AA	20090430	US20070301509	20070521
WO07140163 A2	20071206	WO2007US69374	20070521
WO07140163 A3	20080424	WO2007US69374	20070521

Priority:

US20060808349P 20060525 US20070301509 20070521 WO2007US69374 20070521

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): ALLGEUER THOMAS T ; CLAASEN GERT J ; DOW GLOBAL TECHNOLOGIES INC ; PENG HONG ; VAN DUN JOZEF J

Assignee(s): DOW GLOBAL TECHNOLOGIES LLC

Inventor(s): (std): ALLGEUER THOMAS T ; CLAASEN GERT J ; DUN JOZEF J VAN ; HONG PENG ; PENG HONG ; VAN DUN JOZEF J

Inventor(s): ALLGEUER THOMAS ; THOMAS T ALLGEUER ; VAN DUN JOZEF ; JOZEF J VAN DUN ; GERT J CLAASEN ; CLAASEN GERT

Agent(s): RAYNOR JOHN; DOW CHEMICAL CO; HOPPE JAMES T

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

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CPC: C08K5/20 C08L23/10 D01F1/10 Y10T428/2913 Y10T428/2929 Y10T428/2931 Y10T442/60 Y10T442/637 D01F6/46 D04H1/4291

European: D01F1/10 D01F6/46 D04H1/42 M08K5/20 M08L23/10

US: 128/849 2/69 2/69S 428/364 428/373 428/374 442/327 442/327S 442/361 524/232 524/232S 604/372 604/372S

Family:

Publication number	Publication date	Application number	Application date
US2011253152 AA	20111020	US20110175201	20110701
US8663799 BB	20140304	US20110175201	20110701

Priority:

US20020402665P 20020812	US20030634351 20030804	US20030640435 20030812
US20040782306 20040219	US20040637429P 20041217	US20050655612P 20050222
US20050655310P 20050222	US20050119193 20050429	US20110175201 20110701

Probable Assignee: EXXON MOBIL CORP

Assignee(s): (std): CHAPMAN BRYAN ROBERT ; CHENG CHIA YUNG ; EXXONMOBIL CHEM PATENTS INC ; LI WEN ; LIN CHON YIE ; LUNDMARK BRUCE ROBERT ; KELLY MICHAEL BRIAN ; FERRY WILLIAM MICHAEL

Assignee(s): EXXONMOBIL CHEMICAL PATENTS INC ; EXXON MOBIL CORP

Inventor(s): (std): LUNDMARK BRUCE ROBERT ; LIN CHON YIE ; LI WEN ; KELLY MICHAEL BRIAN ; FERRY WILLIAM MICHAEL ; CHENG CHIA YUNG ; CHAPMAN BRYAN ROBERT

Agent(s): JAMIE L; KEVIN M