

Search history

Search 1: pn=WO2017034759 (Results 1)

Search 2: TAC=(vis-broken) (Results 32)

Search 3: TAC=(polypropylene) (Results 219859)

Search 4: pn= 2 AND 3 (Results 6)

Search 5: TAC=((controlled degradation) AND polyolefin) (Results 10)

Search 6: CPC=(C08F10/06 or C08F110/06 or C08F8/50 or C08K5/14 or C08K5/159 or C08F2810/10 or C08J2323/26) (Results 7863)

Search 7: PN= 3 AND 6 (Results 2089)

Search 8: TAC=((free radical generator)) (Results 874)

Search 9: PN = 7 AND 8 (Results 17)

1) Family number: 30688164 (US2005032981A)

Title: THERMOPLASTIC VULCANINATES FOR RUN-FLAT TIRES

Abstract: This invention relates generally to run-flat tires. More specifically, this invention relates to compounds comprising thermoplastic vulcanizates that are suitable for use in run-flat tire inserts.

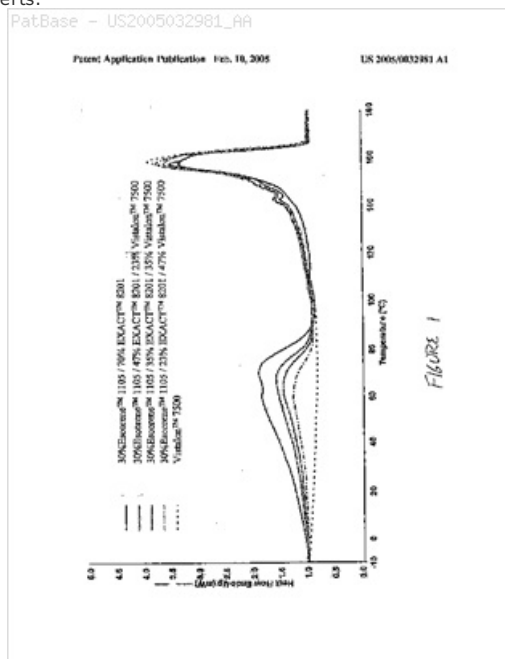
Classifications:

International (IPC 8-9): B60C1/00 B60C17/00 C08F255/00
C08F291/00 C08F291/02 C08J3/24 C08L21/00 C08L23/02
C08L23/08 C08L23/10 C08L23/16 C08L51/04 C08L67/00 C08L77/00
C08L77/02 C08L77/06 C08L83/00 C08L83/04 (Advanced/Invention);
C08L21/00 C08L21/02 (Advanced/Non-invention);
C08F255/00 C08F291/00 C08J3/24 C08L77/00
C08L83/00 (Core/Invention);
C08L21/00 (Core/Non-invention)

International (IPC 1-7): B60C1/00 B60C17/00 B60C17/06
C08F255/00 C08F291/00 C08F8/00 C08L23/04 C08L23/10
C08L23/16 C08L23/28 C08L33/06 C08L35/00 C08L77/00 C08L9/00
CPC: B60C17/0009 B60C1/00 B60C1/0025 C08F255/00 C08F291/00
C08F291/02 C08L21/02 C08L51/04 C08L67/00 C08L77/02
C08L77/06 C08L2205/22 C08L23/0884 C08J3/05 C08K5/14
C08K9/04 C08L9/00 C08L21/00 C08L23/02 C08L23/0815 C08L23/10
C08L23/16 C08L77/00 C08L2205/02 C08L2205/03

European: B60C1/00 B60C1/00J B60C17/00 C08F255/00
C08F291/00 C08F291/02 C08J3/00B C08L1/01 C08L23/02
C08L23/08A1 C08L23/08C3 C08L23/10 C08L23/16 C08L51/04
C08L67/00 C08L77/00 C08L77/02 C08L77/06 C08L9/00 M08K5/14
M08L205/02 M08L205/22 M08L21/00 M08L21/02 M08L23/08A1
M08L23/08C3 M08L23/16 M08L51/04 M08L77/00 M08L9/00

US: 525/191 525/191P 525/474 525/474P



Family:

Publication number	Publication date	Application number	Application date
AU2002366330 AA	20030630	AU20020366330	20021212
AU2003263743 AA	20040709	AU20030263743	20030612
EP1465947 A1	20041013	EP20020805116	20021212
EP1465947 A4	20051130	EP20020805116	20021212
JP2006509872 T2	20060323	JP20040560273T	20030612
US2005032981 AA	20050210	US20020498690	20021212
US2006128907 AA	20060615	US20030537892	20030612
US2006128907 AA	20060615	US20050537892	20050607
US2006128907 AA	20060615	US20050537892	20050607
WO03051982 A1	20030626	WO2002US39797	20021212
WO04055083 A1	20040701	WO2003US18713	20030612

Priority:

US20010341460P 20011213	US20020498690 20021212	WO2002US39797 20021212
WO2003US18713 20030612	US20040498690 20040614	US20050537892 20050607

Probable Assignee: EXXON MOBIL CORP

Assignee(s): (std): EXXON MOBIL CORP ; EXXONMOBIL CHEM PATENTS INC ; EXXONMOBIL CHEMICAL PATENTS INC ; YU THOMAS CHEN CHI ; YU THOMAS C ; BURIAK PAUL J

Assignee(s): BURIAK PJ ; BURIAK P J

Inventor(s): (std): BURIAC P J ; BURIAC PAUL J ; PAUL J BURIAC ; THOMAS CHEN CHI YU ; YU THOMAS C ; YU THOMAS

CHEN CHI

Inventor(s): YU THOMAS ; BURIK PJ

Agent(s): SUGIYAMA NAOTO; SHIROGANE HIROSHI; HOSHI TAKAKO; AKAMATSU TOSHIKI; YAMASAKI YUKUZO; EXXONMOBIL CHEMICAL CO; EXXONMOBIL CHEMICAL COMPANY

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

2) Family number: 29122166 (US5231144A)

© PatBase

Title: HIGHLY CRYSTALLINE POLYPROPYLENE FOR FORMING FILM

Abstract: A highly crystalline polypropylene for forming film which is obtained by subjecting to the molecular weight degradation a propylene homopolymer obtained by the polymerization of propylene over a stereoregulating catalyst and which has: (a) a melt flow rate, MFR, in the range of 1 to 10 min determined in accordance with ASTM-D-1238; (b) a ratio Q which is the ratio of weight average molecular weight M W to the number average molecular weight M N, namely, M W /M N, in the range of 2.5 to 4.0; (c) a density of at least 0.9070 g/cm³ or more; (d) the cold xylene soluble matter (CXS) in the range of 2.5 percent by weight at the highest. The highly crystalline polypropylene will produce film endowed with good transparency, stiffness, impact strength and resistance to blocking, in improved cost performance, which could to some extent be antagonistic to each other.

Classifications:

International (IPC 8-9): C08F110/06 C08F8/00

C08F8/50 (Advanced/Invention);

C08F110/00 C08F8/00 (Core/Invention)

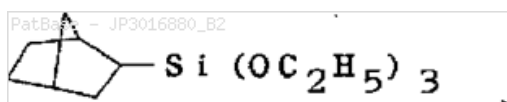
International (IPC 1-7): C08F10/00 C08F110/00 C08F110/06

C08F4/646 C08F8/00 C08F8/50 C08J5/18

CPC: C08F2810/10 C08J5/18 C08J2323/12 C08F110/06 C08F8/50

European: C08F110/06 C08F8/50 M08F110/06

US: 525/333.8 526/351



Family:

Publication number	Publication date	Application number	Application date
DE69219917 D1	19970703	DE19926019917	19920130
DE69219917 T2	19970918	DE19926019917T	19920130
EP0497590 A2	19920805	EP19920300785	19920130
EP0497590 A3	19930804	EP19920300785	19920130
EP0497590 B1	19970528	EP19920300785	19920130
JP3016880 B2	20000306	JP19910012177	19910201
JP4348113 A2	19921203	JP19910012177	19910201
KR100179039 B1	19990515	KR19920001501	19920131
KR19920016481 A	19920924	KR19920001501	19920131
US5231144 A	19930727	US19920828610	19920131

Priority:

JP19910012177 19910201

Probable Assignee: MITSUBISHI CHEMICAL CORP

Assignee(s): (std): MITSUBISHI CHEM CORP ; MITSUBISHI PETROCHEMICAL CO

Assignee(s): MITSUBISHI PETROCHEMICAL CO LTD ; MITSUBISHI CHEMICAL CORP ; MITSUBISHI CHEMICAL CORP TOKIO TOKYO JP ; MITSUBISHI PETROCHEM CO LTD

Inventor(s): (std): YAMAMOTO YOSHIHARU ; MIZUNO HAJIME ; YAMAMOTO KENJI ; SAKURAI HIDEO

Inventor(s): YAMAMOTO YOSHIHARU C O MITSUBISHI PETROCHEMICAL YOKKAICHI SHI MIE KEN JP ; SAKURAI HIDEO C O MITSUBISHI PETROCHEMICAL YOKKAICHI SHI MIE KEN JP ; MIZUNO HAJIME C O MITSUBISHI PETROCHEMICAL YOKKAICHI SHI MIE KEN JP ; YAMAMOTO KENJI C O MITSUBISHI PETROCHEMICAL YOKKAICHI SHI MIE KEN JP ; MIZUNO HAJIME C O MITSUBISHI PETROCHEMICAL... ; SAKURAI HIDEO C O MITSUBISHI PETROCHEMICAL... ; YAMAMOTO YOSHIHARU C O MITSUBISHI... ; YAMAMOTO KENJI C O MITSUBISHI PETROCHEMICAL... ; SAKURAI HIDEO C O MITSUBISHI PETROCHEMICAL YOKKAICHI ; YAMAMOTO KENJI C O MITSUBISHI PETROCHEMICAL YOKKAICHI ; YAMAMOTO YOSHIHARU C O MITSUBISHI PETROCHEMICAL YO ; MIZUNO HAJIME C O MITSUBISHI PETROCHEMICAL YOKKAICHI

Designated states: BE DE IT

3) Family number: 63469217 (US2016257810A)

© PatBase

Title: MODIFIED HETEROPHASIC POLYOLEFIN COMPOSITION

Abstract: A heterophasic polymer composition comprises a propylene polymer phase, an ethylene polymer phase, and a compatibilizing agent. The compatibilizing agent comprises (i) at least one tertiary carbon-hydrogen bond having a bond-dissociation energy of about 380 kJ/mol or less and (ii) at least one acyclic carbon-carbon double bond. A method of making a heterophasic polyolefin polymer composition comprises the steps of (a) providing a propylene polymer phase and an ethylene polymer phase, (b) providing a compatibilizing agent, and (c) mixing the propylene polymer phase, the ethylene polymer phase and the compatibilizing agent, in the presence of free carbon radicals. The compatibilizing agent reacts with propylene polymers and ethylene polymers thereby bonding propylene polymers to ethylene polymers.

Classifications:

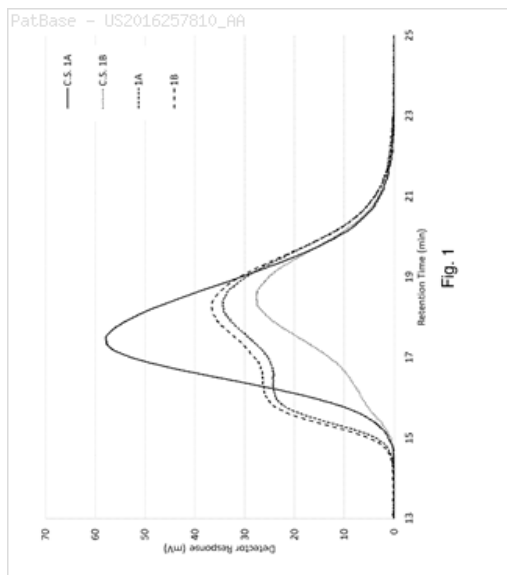
International (IPC 8-9): C08K5/00 C08L23/10 C08L23/26 C08L23/28

C08L23/36 (Advanced/Invention)

CPC: C08L23/36 C08L23/26 C08L23/28 C08L23/12 C08L2205/08

C08K5/005 C08L23/10 C08L2207/02 C08K5/14 C08L23/16

US: 525/193



Family:

Publication number	Publication date	Application number	Application date
BR112017017721 A2	20180410	BR20171117721	20150309
CN107406640 A	20171128	CN201580077453	20150309
EP3265514 A1	20180110	EP20150714058	20150309
IN201717028467 A	20171027	IN201717028467	20170810
US2016257810 AA	20160908	US20160062004	20160304
US9879134 BB	20180130	US20160062004	20160304
WO16140690 A1	20160909	WO2015US19411	20150309

Priority:

US20150128685P 20150305 WO2015US19411 20150309 US20160062004 20160304

Probable Assignee: MILLIKEN AND CO

Assignee(s): (std): MILLIKEN AND CO

Inventor(s): (std): SPRINKLE JASON D ; TRENOR SCOTT R ; SOBCZAK ADAM J ; WANG DAIKE ; PETERSON JOSEPH J ; DATTA SUCHITRA ; JOSEPH J PETERSON ; DAIKE WANG ; JASON D SPRINKLE ; SCOTT R TRENOR ; SUCHITRA DATTA ; ADAM J SOBCZAK

Agent(s): HOFFMANN EITLE; ROBERT M; LANNING ROBERT M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO 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 IR 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 61539241 (US2016024289A)

© PatBase

Title: MODIFIED HETEROPHASIC POLYOLEFIN COMPOSITION

Abstract: A heterophasic polymer composition comprises a propylene polymer phase, an ethylene polymer phase, and a compatibilizing agent. The compatibilizing agent comprises (i) an acyclic carbon-carbon double bond having a first carbon atom and a second carbon atom, (ii) an electron withdrawing group directly bonded to the first carbon atom in the acyclic carbon-carbon double bond, and (iii) a second carbon-carbon multiple bond in conjugation with the acyclic carbon-carbon double bond, wherein the second carbon-carbon multiple bond is linked to the acyclic carbon-carbon double bond through the second carbon atom.

Classifications:

International (IPC 8-9): C08J3/24 C08K5/00 C08K5/14 C08K5/315 C08L23/04 C08L23/08 C08L23/10 C08L23/14 C08L23/26 C08L23/36 (Advanced/Invention)

International (IPC 1-7): C08K5/00 C08K5/315 C08L23/10

CPC: C08L23/36 C08L23/26 C08L2205/02 C08L2207/02 C08K5/005 C08K5/315 C08L23/10 C08L23/12 C08K5/14 C08L23/16

US: 1/1 525/193

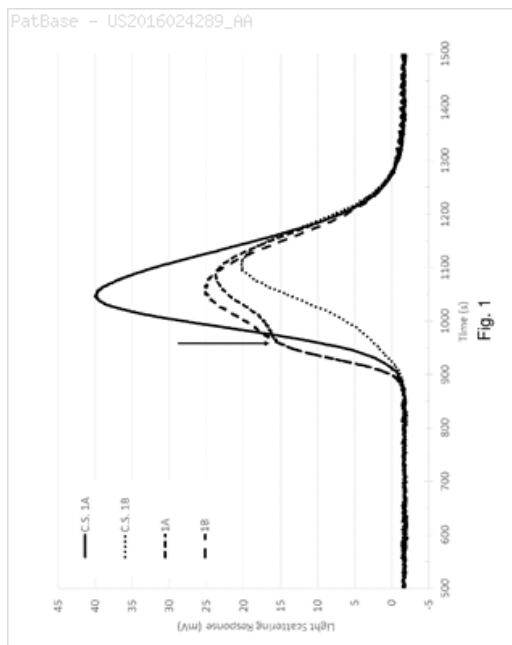


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
BR112017001140 A2	20171114	BR20171101140	20150309
CN106687521 A	20170517	CN201580050874	20150309
EP3172272 A1	20170531	EP20150710699	20150309
IN201717002277 A	20170602	IN201717002277	20170120
JP2017522445 T2	20170810	JP20170525506T	20150309
JP6469862 B2	20190213	JP20170525506T	20150309
TW201604229 A	20160201	TW20150119114	20150612
TWI651351 B	20190221	TW20150119114	20150612
US2016024289 AA	20160128	US20150737097	20150611
US9410035 BB	20160809	US20150737097	20150611
WO16014122 A1	20160128	WO2015US19427	20150309

Priority:

US20140028905P 20140725 WO2015US19427 20150309 US20150737097 20150611

Probable Assignee: MILLIKEN AND CO

Assignee(s): (std): MILLIKEN AND CO

Inventor(s): (std): SPRINKLE JASON D ; TRENOR SCOTT R ; WANG DAIKE ; DEY SANJEEV K ; TORRES EDUARDO ; PETERSON JOSEPH J ; DATTA SUCHITRA ; DEY SANJEEV ; JOSEPH J PETERSON ; DAIKE WANG ; JASON D SPRINKLE ; SCOTT R TRENOR ; SUCHITRA DATTA ; SANJEEV DEY ; EDUARDO TORRES

Agent(s): HOFFMANN EITLE; ROBERT M; LANNING ROBERT M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO 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 IR 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 2797305 (US4975509A)

© PatBase

Title: Silane compositions for reinforcement of polyolefins

Abstract: There are provided reinforcing additives, e.g., for polyolefins, comprising (a) a hydrolyzable silane having an ethylenically unsaturated amide substituent and (b) a free radical generator. Also provided is a single step method of using such additives with hydroxyl-containing reinforcements, such as mica to improve processability and physical and thermal resistance properties of reinforced resin compositions.

Classifications:

International (ipc 8-9): C08F255/00 C08G77/20 C08K13/02 C08K5/14 C08K5/544 C08K5/5455 C08K9/06 C08L23/00 C08L23/02 (Advanced/Invention)

International (ipc 1-7): C08F255/00 C08F30/08 C08G77/18 C08G77/20 C08K13/02 C08K3/34 C08K3/40 C08K5/00 C08K5/14 C08K5/54 C08K9/06 C08L23/00 C08L23/02 C08L83/06

CPC: C08K5/14 C08K5/544 C08K5/5455

European: C08K5/14 C08K5/544 C08K5/5455

US: 523/200 524/445 524/849 526/232 526/279

**Family:**

Publication number	Publication date	Application number	Application date
BRPI8905854 A	19900612	BR1989PI05854	19891121
CA2001416 AA	19900521	CA19892001416	19891025
CA2001416 C	19960514	CA19892001416	19891025
EP0370551 A2	19900530	EP19890202827	19891108
EP0370551 A3	19910911	EP19890202827	19891108
JP2219838 A2	19900903	JP19890299479	19891117
KR19900007932 A	19900602	KR19890016800	19891120
US4975509 A	19901204	US19880274288	19881121
US5075351 A	19911224	US19900582480	19900914

Priority:

US19880274288 19881121 CA19892001416 19891025

Probable Assignee: PCR INC

Assignee(s): (std): JOSLYN WALLACE G ; PCR ; PCR GROUP INC

Assignee(s): PCR INC ; PCR INC A CORP OF DE ; WILSON MICHAEL EARL ; ULRICH ALFRED DANIEL III ; JOSLYN WALLACE GEORGE ; P C R INC ; CHASE MANHATTAN BANK ; CHASE MANHATTAN BANK (NATIONAL ASSOC)

Inventor(s): (std): JOSLYN WALLACE GEORGE ; ULRICH III ALFRED DANIEL ; WILSON MICHAEL EARL ; JOSLYN WALLACE G ; ULRICH ALFRED D III ; WILSON MICHAEL E ; MAIKERU AARU UIRUSON ; UORESU JIYOOJI JIYOSURIN ; ULRICH ALFRED DANIEL III ; ARUFURETSUDO DANIERU ARURITSUC ; ULRICH III ALFRED D

Inventor(s): WALLACE GEORGE JOSLYN ; MICHAEL EARL WILSON ; ALFRED DANIEL ULRICH III ; ULRICH ALFRED D ; ARUFURETSUDO DANIERU ARURITSUCHI SAADO

Agent(s): MOFFAT AND CO

Designated states: DE FR GB IT

6) Family number: 10645346 (US5594074A)

© PatBase

Title: PROCESS FOR IMPROVING PROCESSABILITY OF ULTRA LOW MELT VISCOSITY POLYMER

Abstract: A process for making polymer pellets comprising unreacted free radical generator which can be degraded upon thermal treatment to form an ultra low melt viscosity polyolefin, which process comprises the steps of adding polyolefin and free radical generator required for the degradation in the extruder to the first half section of an extruder and injecting, optionally through a side-arm extruder, another portion of free radical generator near the exit of the extruder to provide a sufficient amount of unreacted free radical generator in the pellets produced, and followed by pelletizing the resulting molten mixture to form uniform non-sticky pellets.

Classifications:

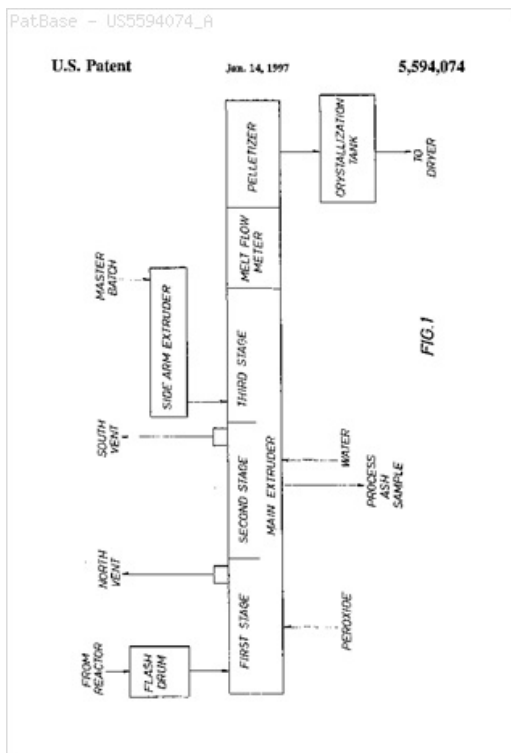
International (IPC 8-9): B29B9/06 B29C67/24 C08F10/00 C08F8/50 C08K5/14 C08L23/06 (Advanced/Invention); B29K23/00 (Advanced/Non-invention); B29B9/02 B29C67/24 C08F10/00 C08F8/00 C08K5/00 C08L23/00 (Core/Invention)

International (IPC 1-7): B29B9/06 B29C47/10 B29C67/24 B29K23/00 C08F10/00 C08F8/00 C08F8/50 C08J3/12 C08J3/20 C08K5/14 C08L23/00

CPC: C08F2800/20 C08F2810/10 C08L23/06 B29B9/06 B29C67/246 B29K2023/00 C08K5/14 C08F8/50 B29B9/16 B29B2009/165 B29C48/00

European: B29B9/06 B29C67/24D C08F8/50 C08K5/14 C08L23/06 L29K23/00

US: 525/333.8 525/387

**Family:**

Publication number	Publication date	Application number	Application date
AT181939 E	19990715	AT19960301120T	19960220
DE69603099 D1	19990812	DE19966003099	19960220
DE69603099 T2	20000120	DE19966003099T	19960220
DK0728796 T3	19991122	DK19960301120T	19960220
EP0728796 A2	19960828	EP19960301120	19960220
EP0728796 A3	19970226	EP19960301120	19960220
EP0728796 B1	19990707	EP19960301120	19960220
ES2136364 T3	19991116	ES19960301120T	19960220
GR3031170 T3	19991231	GR19990402263T	19990908
JP8276422 A2	19961022	JP19960033935	19960221
US5594074 A	19970114	US19950395365	19950221

Priority:

US19950395365 19950221

Probable Assignee: SHELL OIL CO**Assignee(s):** (std): SHELL OIL CO**Assignee(s):** SHELL OIL CO HOUSTON ; SHELL OIL CO HOUSTON TEX US ; SHELL OIL COMPANY ; BASELL POLIOLEFINE ITALIA S P A**Inventor(s):** (std): CHINNYUAN JIYOOJI MA ; CHIYAARUZU CHIUUSHIUN HOO ; HWO CHARLES CHIU HSIUNG ; JIEEMUZU DAGURASU MATSUKAROO J ; MA CHIN YUAN GEORGE ; MCCULLOUGH J R JAMES DOUGLAS ; MCCULLOUGH JR JAMES D ; MA CHIN YUAN G ; HWO CHARLES C**Inventor(s):** MCCULLOUGH J R JAMES DOUGLAS HOUSTON TEXAS... ; MCCULLOUGH J R JAMES DOUGLAS HOUSTON TEXAS 77079 U ; MCCULLOUGH JR JAMES DOUGLAS ; MCCULLOUGH JR JAMES DOUGLAS HOUSTON TEXAS 77079 US ; MA CHIN YUAN GEORGE SUGAR LAND TEXAS 77479 US ; JIEEMUZU DAGURASU MATSUKAROO JIYUNIA ; HWO CHARLES CHIU HSIUNG SUGAR LAND TEXAS 77478 US**Designated states:** AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE**7) Family number: 33475370 (US2006229399A)**

© PatBase

Title: PROCESS FOR MAKING A THERMOPLASTIC VULCANIZATE COMPOSITION

Abstract: A process for making a thermoplastic vulcanizate includes blending a thermoplastic first polymer, an elastomeric second polymer, a carboxylic anhydride, a free radical generator, and a particulate reinforcing material to provide a first blend containing the thermoplastic first polymer and grafted elastomeric second polymer with the particulate reinforcing material dispersed therein, the particulate reinforcing material having sufficient surface moisture to permit coupling to the thermoplastic first polymer and the elastomeric second polymer upon reaction with a coupling agent; then, combining a coupling agent with the first blend for coupling the thermoplastic first polymer and/or grafted elastomeric second polymer with the particulate reinforcing material and/or crosslinking the grafted elastomeric second polymer.

Classifications:

International (IPC 8-9): C08J3/20 C08K5/09 C08K5/14 C08K5/54 C08K9/06 C08L51/06 C08J3/24 C08K3/00 C08K3/26 C08K5/544 C08L101/00 C08L21/00 C08L23/00 C08L23/10 C08L51/00 (Advanced/Invention); C08J3/24 C08K3/26 C08L23/00 C08L23/10 C08L51/00 (Advanced/Non-invention); C08J3/24 C08K3/00 C08K5/00 C08L101/00 C08L21/00 C08L23/00 C08L51/00 C08L51/06 (Core/Invention); C08L23/00 (Core/Non-invention)

International (IPC 1-7): C08L23/10 C08L51/00 C08L51/06

CPC: C08K5/14 C08K5/54 C08L21/00 C08L23/04 C08L23/08 C08L23/10 C08L23/16 C08L51/06

European: C08L23/04 C08L23/10 C08L51/06 M08K5/14 M08K5/54 M08L21/00 M08L23/08 M08L23/10 M08L23/16

US: 524/425 524/431 524/431S 524/437 524/437S 524/439 524/439S 524/445 524/445S 524/448 524/448S 524/493 524/493S 524/502 524/502S 525/192 525/192S

Family:

Publication number	Publication date	Application number	Application date
BRPI0609122 A2	20090519	BR2006PI09122	20060403
CN101189300 A	20080528	CN200680011914	20060403
EP1874864 A1	20080109	EP20060740331	20060403
IN01628MN2007 A	20071214	IN2007MN01628	20071005
JP2008537971 T2	20081002	JP20080506501T	20060403
KR20080007590 A	20080122	KR20077026315	20071112
TH84110 A	20070419	TH20061001685	20060411
TW200708555 A	20070301	TW20060113027	20060412
US2006229399 AA	20061012	US20050104104	20050412
WO06113110 A1	20061026	WO2006US12175	20060403

Priority:

US20050104104 20050412 WO2006US12175 20060403

Probable Assignee: MOMENTIVE PERFORMANCE MATERIALS INC**Assignee(s):** (std): GEN ELECTRIC ; RAMDATT PHILBERT E ; PANZER LOUIS M ; MOMENTIVE PERFORMANCE MAT INC**Assignee(s):** MOMENTIVE PERFORMANCE MATERIAL ; MOMENTIVE PERFORMANCE MATERIALS INC ; GENERAL ELECTRIC CO ; GENERAL ELECTRIC COMPANY ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; JPMORGAN CHASE BANK NA AS ADMINISTRATIVE AGENT**Inventor(s):** (std): RAMDATT PHILBERT E ; RAMDATT PHIBERT E ; PANZER LOUIS M**Inventor(s):** RAMDATT PHILBERT ; PANZER LOUIS ; PHILBERT E RAMDATT ; LOUIS M PANZER**Agent(s):** ZINNECKER ARMIN ET AL; FUJITA KAZUKO; GE ADVANCED MATERIALS - SILICONES; GE ADVANCED MATERIALS SILICONES**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**8) Family number: 33191503 (US2006178487A)**

© PatBase

Title: PROCESS FOR THE PRODUCTION OF CROSSLINKED POLYMER EMPLOYING LOW VOC-PRODUCING SILANE CROSSLINKER AND RESULTING CROSSLINKED POLYMER**Abstract:** A process for crosslinking polymers employs a silane crosslinker which, upon hydrolysis, produces a reduced quantity of volatile organic compound.**Classifications:**

International (ipc 8-9): C07F7/04 C07F7/08 C08F236/00 C08F242/00 C08F255/00 C08F255/02 C08F275/00 C08F8/00 C08F8/12 C08F8/42 C08J3/24 C08K5/13 C08K5/14 C08K5/54 C08K5/5415 C08K5/5419 C08K5/5425 C08K5/57 C08L23/06 C08L51/06 (Advanced/Invention); C08F236/00 C08J3/24 C08K5/5415 (Advanced/Non-invention); C07F7/00 C08F236/00 C08F255/00 C08F275/00 C08F8/00 C08J3/24 C08K5/00 (Core/Invention); C08K (Subclass/Invention)

International (ipc 1-7): C08K5/54 C08K5/5415

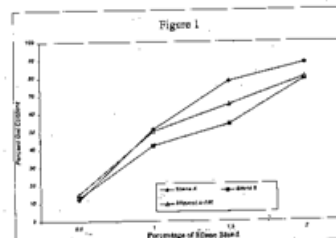
CPC: C08F8/42 C08K5/13 C08K5/14 C08K5/57 C08L51/06 C08K9/12 C08L23/06 C08K5/5425

European: C08F8/42 C08K5/5425 C08L23/06 M08K5/13 M08K5/14 M08K5/57 M08L51/06

US: 525/190 525/193 525/193P 525/284 525/287 525/288 525/288S 525/331.9 525/331.900P 525/333.7 525/333.700S 525/342 525/342S 525/387 525/387S 556/449 556/449S

PatBase - US2006178487_AA

Patent Application Publication Aug. 10, 2006 Sheet 1 of 4 US 2006/0178487 A1

**Family:**

Publication number	Publication date	Application number	Application date
AU2006212960 AA	20060817	AU20060212960	20060206
BRPI0606968 A2	20090728	BR2006PI06968	20060206
BRPI0606968 B1	20170307	BR2006PI06968	20060206
CA2596901 AA	20070803	CA20062596901	20060206
CA2596901 C	20160119	CA20062596901	20060206
CA2898006 AA	20060817	CA20062898006	20060206
CA2898006 C	20180102	CA20062898006	20060206
CN101151316 A	20080326	CN200680010357	20060206
CN101151316 B	20120222	CN200680010357	20060206
EP1856201 A1	20071121	EP20060734371	20060206
EP2272908 A2	20110112	EP20100012482	20060206
EP2272908 A3	20151021	EP20100012482	20060206
IN01192MN2007 A	20071019	IN2007MN01192	20070807

JP2008530273 T2	20080807	JP20070554280T	20060206
JP5025493 B2	20120912	JP20070554280T	20060206
KR101362093 B1	20140213	KR20077020570	20060206
KR20080009054 A	20080124	KR20077020570	20060206
MX2007009550 A1	20080311	MX20070009550	20060206
RU2007133650 A	20090320	RU20070133650	20060206
US2006178487 AA	20060810	US20050280770	20051116
US2008090971 AA	20080417	US20070975399	20071019
US2009182094 AA	20090716	US20090389731	20090220
US7326753 BB	20080205	US20050280770	20051116
US7511100 BB	20090331	US20070975399	20071019
US8299181 BB	20121030	US20090389731	20090220
WO06086264 A1	20060817	WO2006US04002	20060206
ZA200706554 A	20080730	ZA20070006554	20070807

Priority:

US20050651112 20050208 US20050651112P 20050208 US20050280770 20051116
CA20062596901 20060206 EP20060734371 20060206 WO2006US04002 20060206
US20070975399 20071019 US20090389731 20090220 CA20152596901 20150727

Probable Assignee: MOMENTIVE PERFORMANCE MATERIALS INC

Assignee(s): (std): GEN ELECTRIC ; MOMENTIVE PERFORMANCE MAT INC ; WELLER KEITH J ; RAMDATT PHILBERT E

Assignee(s): MOMENTIVE PERFORMANCE MATERIAL ; JPMORGAN CHASE BANK NA AS ADMINISTRATIVE AGENT ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; BOKF NA SUCCESSOR COLLATERAL AGENT AS ; CITIBANK NA ADMINISTRATIVE AGENT AS ; KOOKMIN BANK NEW YORK BRANCH ADMINISTRATIVE AGENT AS ; BANK OF NEW YORK MELLON TRUST CO ; BANK OF NEW YORK MELLON TRUST CO NA ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL AGENT AS ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL TRU ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL TRUSTEE AS ; BNP PARIBAS ADMINISTRATIVE AGENT AS ; MOMENTIVE PERFORMANCE MATERIALS INC ; GENERAL ELECTRIC CO ; GENERAL ELECTRIC COMPANY

Inventor(s): (std): KEITH J WELLER ; RAMDATT PHILBERT E ; WELLER KEITH J

Inventor(s): WELLER KEITH

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; ZINNECKER ARMIN; FUJITA KAZUKO; DILWORTH AND BARRESE LLP; MOMENTIVE PERFORMANCE MATERIALS INC C O DILWORTH AND BARRESE LLP; VICARI DOMINICK G; DOMINICK G; JOSEPH S

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

9) Family number: 60349511 (US2015259453A)

© PatBase

Title: MODIFIED HETEROPHASIC POLYOLEFIN COMPOSITION

Abstract: A method of creating a modified heterophasic polyolefin composition is provided, whereby a polyolefin composition having at least two phases is melt mixed with a free radical generator, such as a peroxide, and a compatibilizing agent characterized by at least one nitroxide radical and at least one unsaturated bond capable of undergoing a radical addition reaction. Modified heterophasic polyolefin compositions with increased melt flow rates, impact strength, and clarity, which incorporate the compatibilizing agent, are also included within the scope of the invention.

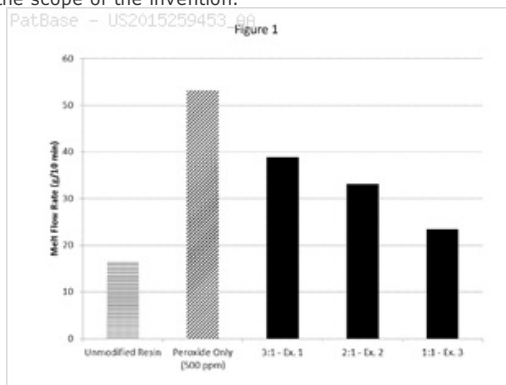
Classifications:

International (IPC 8-9): C08F210/06 C08F299/04 C08F8/00 C08J3/00 C08J3/24 C08K5/14 C08K5/32 C08K5/3435 C08L23/04 C08L23/08 C08L23/10 C08L23/14 C08L23/16 C08L23/26

C08L23/36 (Advanced/Invention)

CPC: C08L23/10 C08F299/0457 C08F2438/02 C08J3/005 C08K5/14 C08L23/16

US: 525/375



Family:

Publication number	Publication date	Application number	Application date
BR112016020830 A2	20170815	BR20161120830	20150309
CN106459488 A	20170222	CN201580023117	20150309
EP3116945 A1	20170118	EP20150710697	20150309
EP3116945 B1	20190515	EP20150710697	20150309
IN201617030840 A	20161230	IN201617030840	20160909
JP2017508051 T2	20170323	JP20160557245T	20150309
JP2019031680 A2	20190228	JP20180186607	20181001
KR20160132958 A	20161121	KR20167028353	20150309
KR20180112106 A	20181011	KR20187028498	20150309
US2015259453 AA	20150917	US20150641719	20150309
WO15138300 A1	20150917	WO2015US19410	20150309

Priority:

US20140953261P 20140314 JP20160557245T 20150309 US20150641719 20150309

Probable Assignee: MILLIKEN AND CO**Assignee(s):** (std): MILLIKEN AND CO**Inventor(s):** (std): JOSEPH J PETERSON ; SCOTT R TRENOR ; JASON D SPRINKLE ; TRENOR SCOTT R ; SPRINKLE JASON D ; PETERSON JOSEPH J**Agent(s):** HOFFMANN EITL; LANNING ROBERT M**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO 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 IR 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**10) Family number: 33690621** (US2006258796A)

© PatBase

Title: CROSSLINKED POLYETHYLENE COMPOSITIONS**Abstract:** A method for making a polymer blend includes blending a thermoplastic polymer, a grafted polyolefin, a moisture source, and a crosslinking agent in a mixing zone to provide a thermoplastic polymer blend including a matrix phase of the thermoplastic polymer, a reinforcing phase of the at least partially crosslinked polyolefin, and having a gel content of from about 10 percent to about 50 percent by weight.**Classifications:****International (IPC 8-9):** C08J3/24 C08J3/20 C08L C08L23/00 C08L23/04 C08L51/00 C09B67/00 (Advanced/Invention);

C08J3/20 C08J3/24 C08L23/00 C08L51/00 C09B67/00 (Core/Invention);

C08L (Subclass/Invention)

International (IPC 1-7): C08L 51/00 C08L23/00 C08L23/02**CPC:** F16L9/12 C08J3/245 C08J2323/02 C08L23/02 C08L23/06 C08L51/06 C08K5/09 C08K5/14 C08K5/54 C08L2207/062 C08L2312/00**European:** C08J3/24F C08L23/02 C08L23/06 M08J323/02 M08L51/06**US:** 524/502 525/342 525/342S**Family:**

Publication number	Publication date	Application number	Application date
AR055789 AA	20070905	AR2006P101929	20060512
AU2006247850 AA	20061123	AU20060247850	20060509
BRPI0610007 A2	20100518	BR2006PI10007	20060509
CA2607282 AA	20071105	CA20062607282	20060509
CN101184805 A	20080521	CN200680016542	20060509
EP1879958 A1	20080123	EP20060759313	20060509
HK1112258 A1	20080829	HK20080107430	20080707
HK1112258 A3	20080829	HK20080107430	20080707
IN01888MN2007 A	20080718	IN2007MN01888	20071112
JP2008540768 T2	20081120	JP20080511237T	20060509
KR20080018999 A	20080229	KR20077029221	20071213
MX2007014028 A1	20080429	MX20070014028	20060509
RU2007146441 A	20090620	RU20070146441	20060509
TH87442 A	20071109	TH20061002145	20060510
TW200704698 A	20070201	TW20060116911	20060512
US2006258796 AA	20061116	US20050128603	20050513
WO06124368 A1	20061123	WO2006US17719	20060509
ZA200710744 A	20081029	ZA20070010744	20071211

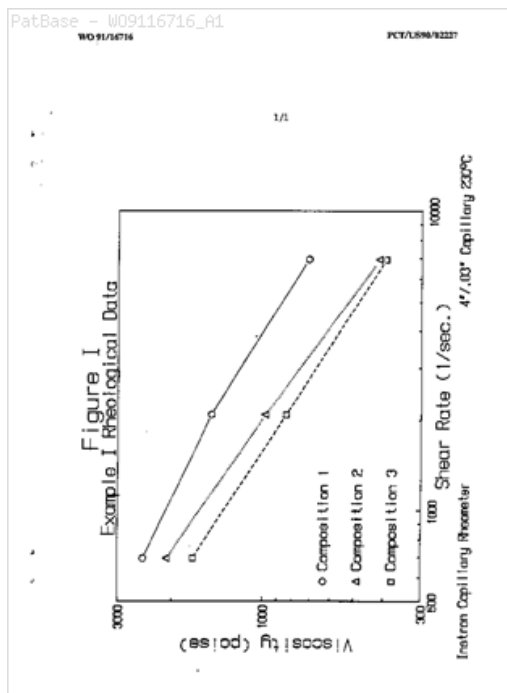
Priority:

US20050128603 20050513 WO2006US17719 20060509

Probable Assignee: MOMENTIVE PERFORMANCE MATERIALS INC**Assignee(s):** (std): ABDERRAZIQ ABDELLATIF ; BOUGH LOUIS ; GEN ELECTRIC ; LEHMANN PATRICE ; STORB MARTIN ; MOMENTIVE PERFORMANCE MAT INC**Assignee(s):** JPMORGAN CHASE BANK NA AS ADMINISTRATIVE AGENT ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; MOMENTIVE PERFORMANCE MATERIALS INC ; GENERAL ELECTRIC CO ; GENERAL ELECTRIC COMPANY**Inventor(s):** (std): ABDELLATIF ABDERRAZIQ ; ABDERRAZIAQ ABDELLATIF ; ABDERRAZIQ ABDELLATIF ; BOUGH LOUIS ; LEHMANN PATRICE ; LOUIS BOUGH ; MARTIN STORB ; PATRICE LEHMANN ; STORB MARTIN ; ABDERRAZIQ ADBELLATIF**Inventor(s):** ADBELLATIF ABDERRAZIQ**Agent(s):** FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; HERRMANN UWE ET AL; CHINAHK INTELLECTUAL PROPERTY SERVICES CO LTD; FUJITA KAZUKO; GENERAL ELECTRIC ADVANCED MATERIALS - SILICONES; GENERAL ELECTRIC ADVANCED MATERIALS SILICONES**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**11) Family number: 3459657** (WO9116716A1)

© PatBase

Title: FREE-RADICAL MODIFIED CARBON BLACK FILLED POLYPROPYLENES**Abstract:** Peroxide-provided free-radical molecular weight distribution narrowing of polypropylenes in the compounding stage of making conductive polypropylenes yields carbon black filled polypropylenes with improved rheological properties, surface conductivity, appearance, and surface characteristics with mechanical and physical properties similar to prior conductive polypropylenes.

Classifications:**International (IPC 8-9):** B29C47/88 C08C19/04 C08F8/06 C08J3/20 C08J5/00 C08K3/04 C08K5/14 H01B1/06H01B1/24 (Advanced/Invention);
B29C47/88 C08C19/00 C08F8/00 C08J3/20 C08J5/00 C08K3/00
C08K5/00 H01B1/06 H01B1/24 (Core/Invention)**International (IPC 1-7):** B29C47/88 C08C19/04 C08F8/06 C08J5/00 H01B1/06**CPC:** C08J3/201 C08J2323/12 C08K3/04 C08K5/14 H01B1/24**European:** C08J3/20E C08K3/04 C08K5/14 H01B1/24 M08J323/12**Family:**

Publication number	Publication date	Application number	Application date
AU199063516 A1	19911111	AU19900063516	19900424
AU6351690 A1	19911111	AU19900063516D	19900424
WO9116716 A1	19911031	WO1990US02227	19900424

Priority:

AU19900063516 19900424 WO1990US02227 19900424

Probable Assignee: FERRO CORP**Assignee(s):** (std): FERRO CORP**Inventor(s):** (std): CHUNDURY DEENADAYALU ; DAVIDSON DANIEL L ; LEONARD BERDINE L ; SCHEIBELHOFFER ANTHONY S**Inventor(s):** DEENADAYALU CHUNDURY ; DANIEL L DAVIDSON ; ANTHONY S SCHEIBELHOFFER ; BERDINE L LEONARD**Designated states:** AT AU BB BE BG BR CA CH DE DK ES FI FR GB HU IT JP KP KR LK LU MC MG MW NL NO RO SD SE SU**12) Family number: 15551659 (US5308904A)**

© PatBase

Title: RESIN COMPOSITION, POROUS FILM OR SHEET

Abstract: Disclosed herein are a resin composition for a porous film or sheet, comprising: 100 parts by weight of a polyolefin (A) having a density of not more than 0.930 grams per cubic centimetre and a melt index of not more than 2 g/10 min; 100 to 400 parts by weight of a filler (B); 1 to 100 parts by weight of a plasticizer (C) composed of a compound having an ester linkage or an amide linkage in a molecule, and having a molecular weight of not less than 100, a boiling point of not lower than 200 DEG C. and a melting point of not higher than 100 DEG C. under an ordinary pressure; and 0.0001 to 0.1 part by weight of a radical generator (D); a porous film or sheet therefrom; and a process for producing the same.

Classifications:**International (IPC 8-9):** B29C55/00 B29C55/04 B29C55/28 C08J5/18 C08J9/00 C08K3/00 C08K5/10 C08K5/11 C08K5/14 C08K5/17 C08K5/20 C08L23/00 (Advanced/Invention);
B29K105/04 B29K23/00 B29L7/00 (Advanced/Non-invention);
B29C55/00 B29C55/04 B29C55/28 C08J5/18 C08J9/00 C08K3/00 C08K5/00 C08L23/00 (Core/Invention)**International (IPC 1-7):** B29C55/04 B29C55/28 B29K105/04 B29K23/00 B29L7/00 C08J5/18 C08J9/00 C08K3/00 C08K5/10 C08K5/14 C08K5/20 C08L23/00 C08L23/16**CPC:** C08K3/013 C08J5/18 B29C55/005 B29K2023/00B29K2105/0014 B29K2105/0038 B29K2105/04 B29K2105/16 C08J2323/02 C08K5/11 C08K5/14 C08K5/20
European: B29C55/00B C08J5/18 C08K3/00P5 C08K5/11 C08K5/14 C08K5/20 L29K105/00E14 L29K105/00E4 L29K105/04 L29K105/16 L29K23/00 M08J323/02**US:** 524/232 524/233 524/287 524/427 524/433

		表1 (単位)						
		成分名 (重量部)	ポリマー (g/g)	温度 (g/g/24hr)	引張強度 (g/100)	伸張率 (g/100)	成形性	特性
実施例1	ポリブチレン (4)	ポリブチレン (100)	700	3000	60	1.77/68	◎	◎
実施例2	ポリブチレン (6)	ポリブチレン (100)	800	3000	65	1.85/72	◎	◎
実施例3	ポリブチレン (8)	ポリブチレン (100)	1000	3310	70	1.75/65	◎	◎
実施例4	ポリブチレン (10)	ポリブチレン (100)	800	3451	66	1.76/67	◎	◎
実施例5	ポリブチレン (12)	ポリブチレン (100)	700	3718	60	1.76/63	◎	◎
実施例6	ポリブチレン (14)	ポリブチレン (100)	800	3200	56	1.72/67	◎	◎
実施例7	ポリブチレン (16)	ポリブチレン (100)	800	3660	58	1.76/66	◎	◎

Family:

Publication number	Publication date	Application number	Application date
JP3166279 B2	20010514	JP19920085624	19920407
JP5098057 A2	19930420	JP19920085624	19920407
KR100187323 B1	19990515	KR19920012925	19920720
KR19930002430 A	19930223	KR19920012925	19920720
TW201775 B	19930311	TW19920105506	19920713
US5308904 A	19940503	US19920910899	19920710

Priority:

Probable Assignee: MITSUBISHI CHEMICAL CORP**Assignee(s):** (std): MITSUBISHI CHEM IND ; MITSUBISHI CHEMICALS CO LTD ; MITSUBUSHI KASEI CORP**Assignee(s):** MITSUBISHI KASEI CORP ; MITSUBISHI CHEMICAL CORP**Inventor(s):** (std): SUZUKI TASUKU ; FUJII TOSHIO ; SAKAI AKIHIKO ; SUZUKI YU**13) Family number: 22276699** (US2003055137A)

© PatBase

Title: FLEXIBLE POLYPROPYLENE RESIN

Abstract: The present invention relates to a soft polypropylene resin having a melt index falling in a specific range, prepared by melting and kneading a substantial propylene homopolymer or a propylene copolymer composition each having specific properties in the presence of a radical-generating agent. According to the present invention, capable of being provided at a good productivity is a soft polypropylene resin which is useful as an alternative for a polyvinyl chloride resin in the fields of films, sheets, construction materials and the like and which is excellent in fluidity.

Classifications:**International (IPC 8-9):** C08F8/50 (Advanced/Invention); C08F8/00 (Core/Invention)**International (IPC 1-7):** C08F10/06 C08F110/06 C08F8/50 C08J3/20 C08K5/49 C08K5/51 C08L23/10 C08L23/12 C08L23/14**CPC:** C08F2810/10 C08F8/50**European:** C08F8/50**US:** 524/115 524/128 524/323 524/323S 524/414 524/414S 524/581 524/582 524/583**Family:**

Publication number	Publication date	Application number	Application date
DE60109762 D1	20050504	DE20016009762T	20011019
DE60109762 D1	20050504	DE20016009762	20011019
DE60109762 T2	20050825	DE20016009762T	20011019
EP1273596 A1	20030108	EP20010976771	20011019
EP1273596 A4	20040331	EP20010976771	20011019
EP1273596 B1	20050330	EP20010976771	20011019
JP2002032973 A1	20040226	JP20020536353T	20011019
US2003055137 AA	20030320	US20020148879	20020612
US6855756 BB	20050215	US20020148879	20020612
WO0232973 A1	20020425	WO2001JP09195	20011019

Priority:

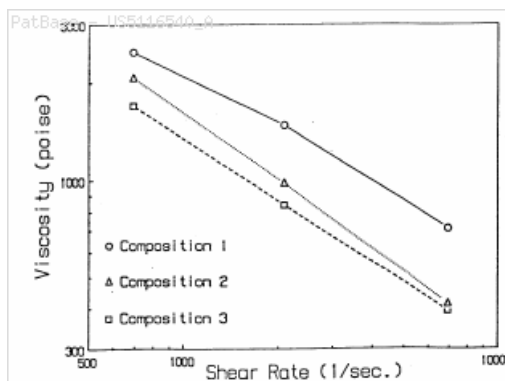
JP20000320860 20001020 WO2001JP09195 20011019

Probable Assignee: PRIME POLYMER CO LTD**Assignee(s):** (std): IDEMITSU PETROCHEMICAL CO ; YUKIMASA SHINICHI ; KIJIMA MASATO ; IDEMITSU KOSAN CO**Assignee(s):** IDEMITSU KOSAN CO LTD ; IDEMITSU KOSAN CO LTD TOKIO TOKYO ; IDCAL CO LTD ; PRIME POLYMER CO LTD ; IDEMITSU PETROCHEMICAL CO LTD**Inventor(s):** (std): KIJIMA MASATO ; YUKIMASA SHINICHI**Agent(s):** OHTANI TAMOTSU**Designated states:** AT BE CH CY DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE TR US**14) Family number: 5030734** (US5116540A)

© PatBase

Title: Free-radical modified carbon black filled polypropylenes

Abstract: Peroxide-provided free-radical molecular weight distribution narrowing of polypropylenes in the compounding stage of making conductive polypropylenes yields carbon black filled polypropylenes with improved rheological properties, surface conductivity, appearance, and surface characteristics with mechanical and physical properties similar to prior conductive polypropylenes.

Classifications:**International (IPC 8-9):** C08K3/04 C08K5/14 H01B1/24 (Advanced/Invention)**International (IPC 1-7):** H01B1/06**CPC:** C08K3/04 C08K5/14 H01B1/24**European:** C08K3/04 C08K5/14 H01B1/24**US:** 252/500 252/510 252/511**Family:**

Publication number	Publication date	Application number	Application date
US5116540 A	19920526	US19890318386	19890303

Priority:

US19890318386 19890303

Probable Assignee: FERRO CORP**Assignee(s):** (std): FERRO CORP

Inventor(s): (std): CHUNDURY DEENADAYALU ; DAVIDSON DANIEL L ; LEONARD BERDINE L ; SCHEIBELHOFFER ANTHONY S

15) Family number: 11867838 (US5405917A)

© PatBase

Title: SELECTIVE ADMIXTURE OF ADDITIVES FOR MODIFYING A POLYMER

Abstract: The molecular weight of solid polymers, particularly polyolefins, is modified by addition of organic peroxides (or other free radical generators), which is admixed in a first reaction zone. The polymer is then melted followed by addition of additives such as antioxidants and light stabilizers, which are admixed in a second reaction zone where intense and rapid mixing occurs, such as within the barrel of an extruder. The separate admixture of primary and secondary additives provides improved color and odor characteristics for the polymer compared to concurrent admixture of all the additives.

Classifications:

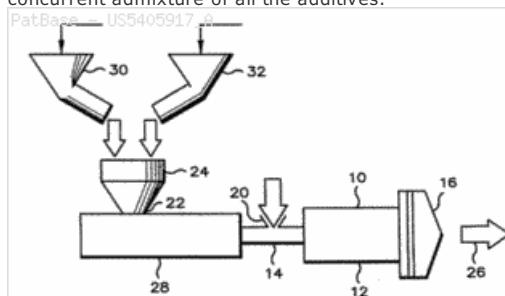
International (IPC 8-9): C08F8/00 C08F8/50 (Advanced/Invention); C08F8/00 (Core/Invention)

International (IPC 1-7): C08C19/04 C08F10/00 C08F8/00

CPC: C08F2810/20 C08F8/00 C08F8/50

European: C08F8/00 C08F8/50

US: 523/324 524/100 524/160 524/86 525/240 525/333.8 525/387



Family:

Publication number	Publication date	Application number	Application date
US5405917 A	19950411	US19930142275	19931026

Priority:

US19920913318 19920715 US19930142275 19931026

Probable Assignee: PHILLIPS PETROLEUM CO A CORP OF DELAWARE

Assignee(s): (std): PHILLIPS PETROLEUM CO

Assignee(s): PHILLIPS PETROLEUM CO A CORP OF DELAWARE ; PHILLIPS PETROLEUM COMPANY

Inventor(s): (std): MUELLER JR FRANCIS X ; COUTANT WILLIAM R

16) Family number: 64975868 (US2017051118A)

© PatBase

Title: PELLETS OF LIGHTLY VIS-BROKEN POLYPROPYLENE

Abstract: A process including vis-breaking of polypropylene in the presence of 3,6,9-triethyl-3,6,9-trimethyl-1,4,7-triperoxonane to obtain vis-broken polypropylene is provided. The vis-broken polypropylene may be pelletized to obtain pellets. A ratio of a melt flow rate (MI2) of the pellets to a melt flow rate (MI2) of the polypropylene prior to the vis-breaking may be greater than 1:1 and at most 4:1. The pellets may be used to form articles.

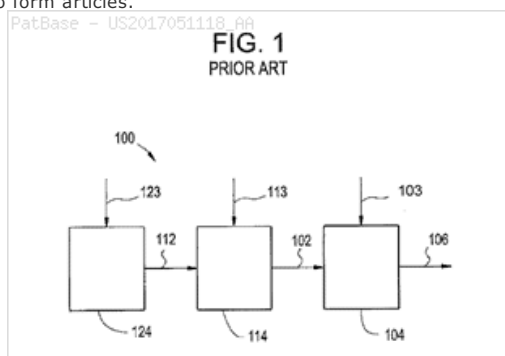
Classifications:

International (IPC 8-9): B29B9/12 C08F10/00 C08F10/06 C08F110/06 C08F8/00 C08F8/50 C08J11/22 C08J3/24 C08J5/00 C08K5/14 C08K5/159 C08L23/10 (Advanced/Invention)

International (IPC 1-7): C08F10/00 C08F8/00

CPC: C08J2323/26 C08F110/06 C08F8/50 B29B9/12 C08F2810/10 C08K5/14 C08K5/159 C08F10/06

US: 525/333.8



Family:

Publication number	Publication date	Application number	Application date
BR112018003128 A2	20180918	BR20181103128	20160729
CA2996134 AA	20180220	CA20162996134	20160729
CN108137736 A	20180608	CN201680059912	20160729
CO20180002482 A2	20180521	CO20180002482	20180306
EA201800160 A1	20180731	EA20180000160	20160729
EP3337830 A1	20180627	EP20160839787	20160729
EP3337830 A4	20190320	EP20160839787	20160729
IN201817006831 A	20180713	IN201817006831	20180222
JP2018525513 T2	20180906	JP20180528193T	20160729
KR20180043288 A	20180427	KR20187005749	20160729
MX2018002113 A1	20180608	MX20180002113	20160729
US2017051118 AA	20170223	US20150832350	20150821
WO17034759 A1	20170302	WO2016US44763	20160729

Priority:

US20150832350 20150821 WO2016US44763 20160729

Probable Assignee: FINA TECHNOLOGY INC

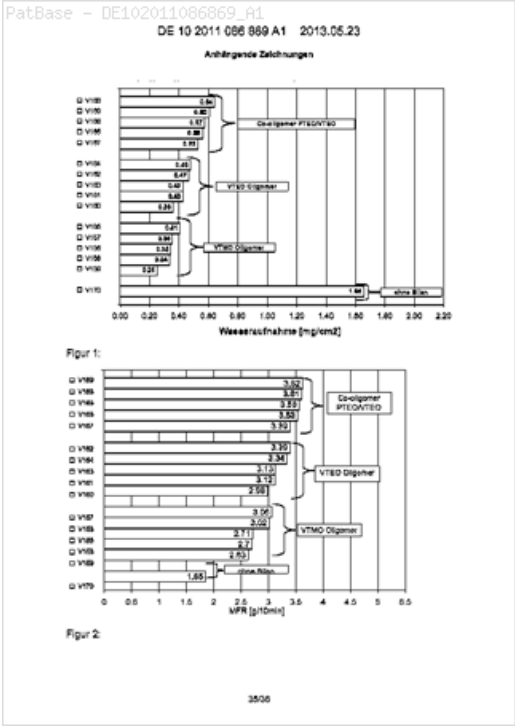
Assignee(s): (std): FINA TECH ; FINA TECH INC ; FINA TECHNOLOGY
Assignee(s): FINA TECHNOLOGY INC ; MCLEOD MICHAEL ; BURMASTER DOUGLAS
Inventor(s): (std): BURMASTER DOUGLAS ; MCLEOD MICHAEL ; DOUGLAS BURMASTER ; MICHAEL MCLEOD
Agent(s): GOWLING WLG CANADA LLP; JOSE ANDRES RINCON USCATEGUI; GARCIA MARTIN MARGARITA; LOCKLAR MICHAEL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO 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 IR 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

17) Family number: 53777956 (DE102011086869A1) © PatBase

Title: POLYMER COMPOSITION USEFUL E.G. AS ADHESIVE, COMPRISES OLEFINICALLY FUNCTIONALIZED SILOXANE OLIGOMERS EXHIBITING LESS OLEFINIC GROUP AT SILICON ATOM AND SILYLOXY-CROSSLINKED STRUCTURAL ELEMENTS, ORGANIC POLYMER AND INORGANIC SOLID MATERIAL

Abstract: Polymer composition comprises olefinically functionalized siloxane oligomers of (I), at least one organic polymer, and an inorganic solid material, where the siloxane oligomers exhibit (a) not> 1 olefinic group at silicon atom, (b) at least one fatty acid (III), and (c) silyloxy (Si-O)-crosslinked structural elements, which form chain-like-, cyclic-, crosslinked- or optionally spatially crosslinked structures, and are derived from alkoxysilanes, and the siloxane oligomers are optionally chemically bonded to the inorganic solid material. Polymer composition comprises olefinically functionalized siloxane oligomers of formula ((R1O)[(R1O) 1 - x(R2) xSi(A)O] a[Si(Y1) 2O] c[Si(B1)(R4) y(OR3) 1 - yO] bR3) (I), at least one organic polymer, and an inorganic solid material, where the siloxane oligomers exhibit (a) not> 1 olefinic group at silicon atom, (b) at least one fatty acid of the formula (R5-COOH) (III), and (c) silyloxy (Si-O)-crosslinked structural elements, which form chain-like-, cyclic-, crosslinked- or optionally spatially crosslinked structures, and are derived from alkoxysilanes, and the siloxane oligomers are optionally chemically bonded to the inorganic solid material. A: olefinic group; B1: saturated hydrocarbyl; Y1: OR3 or O 1 / 2(in crosslinked or optionally spatially crosslinked structures) or OR3; R1, R3: 1-4C alkyl (optionally branched and/or cyclic) or optionally H, and/or -CO-R5; R2, R4: 1-15C alkyl (optionally branched or cyclic); either a: greater than or equal to 1; and b, c: greater than or equal to 0; or a+b+c: greater than or equal to 2; x, y: 0 or 1; and R5: 3-45C hydrocarbyl (optionally substituted). An independent claim is also included for: preparing the above composition, comprising reacting olefinically functionalized siloxane oligomers comprising at least one fatty acid of (III) with the organic polymer and the inorganic solid material in a compounding apparatus.

Classifications:
International (IPC 8-9): C08K3/22 C08K5/09 C08K5/14 C08L83/04 C08L83/07 (Advanced/Invention)
CPC: C08K3/22 C08K5/09 C08K5/14 C08G77/20 C08K3/36 C08K5/0025 C08K2003/2224 C08K2003/2227



Family:

Publication number	Publication date	Application number	Application date
DE102011086869 A1	20130523	DE201110086869	20111122

Priority:

DE201110086869 20111122

Probable Assignee: EVONIK DEGUSSA GMBH

Assignee(s): (std): EVONIK DEGUSSA GMBH

Inventor(s): (std): MONKIEWICZ JAROSLAW ; ROTH SVEN ; SPRINGER CHRISTIAN ; STANDKE BURKHARD ; WEISENBACH KERSTIN