

Search history

Search 1: TAC=(3,6,9 triethyl 3,6,9 trimethyl 1,4,7 triperoxonane) (Results 33)
Search 2: TAC=(CONTROLL* AND RHEOLOG* AND (POLYPROPYLENE OR PP)) (Results 229)
Search 3: PN= 1 AND 2 (Results 5)

1) Family number: 47901353 (US2010324225A)

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Title: CONTROLLED-RHEOLOGY POLYPROPYLENE

Abstract: Controlled rheology (CR) polypropylene resins are prepared by a process comprising the step of contacting under scission conditions a non-CR-polypropylene resin having a low melt flow rate (MFR) with cyclic peroxide. The CR polypropylene resins made by the process of this invention are useful in manufacturing articles that exhibit reduced VOC emissions relative to CR-polypropylene resins made by an identical process except with non-cyclic peroxide. These low-VOC, CR-polypropylene resins are particularly useful in making non-metallic components for automobile interiors.

Classifications:

International (IPC 8-9): C08F10/06 C08F8/00 C08F8/06 C08F8/50 C08K5/14 C08L23/10 C08L23/12 C08L23/16 (Advanced/Invention)

CPC: C08F2810/10 C08K5/159 C08L23/12 C08F8/50 C08K5/14

European: C08F8/50 C08K5/14 C08K5/159 C08L23/12

US: 525/333.8 525/333.800P

Family:

Publication number	Publication date	Application number	Application date
BRP11010057 A2	20160419	BR2010PI10057	20100621
CN102803306 A	20121128	CN201080027807	20100621
EP2445940 A1	20120502	EP20100726768	20100621
IN09738CN2011 A	20130412	IN2011CN09738	20111223
JP2012531492 T2	20121210	JP20120517627T	20100621
KR20120052905 A	20120524	KR20117030684	20100621
MX2011013792 A1	20120130	MX20110013792	20100621
RU2012102056 A	20130727	RU20120102056	20100621
SG177324 A1	20120228	SG20110095254	20100621
US2010324225 AA	20101223	US20100819677	20100621
WO10151508 A1	20101229	WO2010US39344	20100621

Priority:

US20090219559P 20090623 US20100819677 20100621 WO2010US39344 20100621

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): DOW GLOBAL TECHNOLOGIES INC ; DOW GLOBAL TECHNOLOGIES LLC ; ZUMMALLEN MICHAEL ; ZUMMALLEN MICHAEL P

Inventor(s): (std): ZUMMALLEN MICHAEL ; ZUM MALLEN MICHAEL P ; MICHAEL ZUM MALLEN ; MALLEN MICHAEL P ZUM

Inventor(s): MICHAEL P ZUM MALLEN ; ZUM MALLEN MICHAEL

Agent(s): HAYES ADRIAN CHETWYND; WHYTE HIRSCHBOECK DUDEK SC DOW INTELLECTUAL PROPERTY DEPARTMENT; PLOTECHER GARY R

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

2) Family number: 63189526 (US2018030163A)

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Title: METHODS FOR MODIFYING THE RHEOLOGY OF POLYMERS

Abstract: The disclosure relates to a method for modifying the rheology of a polymer and a polymeric composition obtained by the method. The composition comprises at least one organic peroxide and water in emulsion form. The polymer may comprise a polyolefin. The method comprises extruding a molten polymer and the composition and removing volatile compounds from the molten polymer.

Classifications:

International (IPC 8-9): C08F C08F10/02 C08F10/06 C08F110/06 C08F6/02 C08F6/28 C08F8/50 C08J C08J3/00 C08J3/02 C08J3/20 C08J3/205 C08K C08K3/20 C08K5/14 C08L C08L101/00 C08L23/00 C08L23/06 C08L23/08 C08L23/12 C08L23/14 C08L23/26 (Advanced/Invention)

CPC: C08J3/205 C08L23/00 C08L23/06 C08L23/08 C08L23/12 C08L23/14 C08K5/14 C08F8/50 C08J3/00 C08J3/201 C08J2323/00 C08L23/16 C08F10/02 C08F10/06 C08J3/02 C08F6/02 C08F6/28 C08F110/06

US: 1/1 526/351

Family:

Publication number	Publication date	Application number	Application date
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BR112017017111 A2	20180403	BR20171117111	20160210
CN107466308 A	20171212	CN201680016317	20160210
CO20170008080 A2	20171031	CO20170008080	20170810
EP3056531 A1	20160817	EP20150154574	20150210
IN201727027828 A	20171110	IN201727027828	20170804
JP2018505293 T2	20180222	JP20170559919T	20160210
KR102023368 B1	20190920	KR20177025518	20160210
KR20170134370 A	20171206	KR20177025518	20160210
KR20190092583 A	20190807	KR20197021417	20160210
SG10201907312W A1	20190927	SG20191007312	20160210
SG11201706512S A1	20170928	SG20171106512	20160210
US2018030163 AA	20180201	US20160549709	20160210
WO16128473 A1	20160818	WO2016EP52838	20160210
ZA201705398 A	20190626	ZA20170005398	20170810

Priority:

EP20150154574 20150210 WO2016EP52838 20160210

Probable Assignee: LUMMUS NOVOLEN TECHNOLOGY GMBH

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Inventor(s): (std): ANGELA HILGERS ; DETAVERNIER GEOFFREY ; HILGERS ANGELA ; MANFRED WITTNER ; GEOFFREY DETAVERNIER ; MICHAEL NEIDHOEFER ; WITTNER MANFRED ; NEIDHOEFER MICHAEL

Agent(s): JOSE ANDRES RINCON USCATEGUI; OSHA LIANG; SPRUSON AND FERGUSON ASIA PTE LTD

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

3) Family number: 54164573 (US2013165563A)

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Title: POLYPROPYLENE WITH LOW FLUID RETENTION

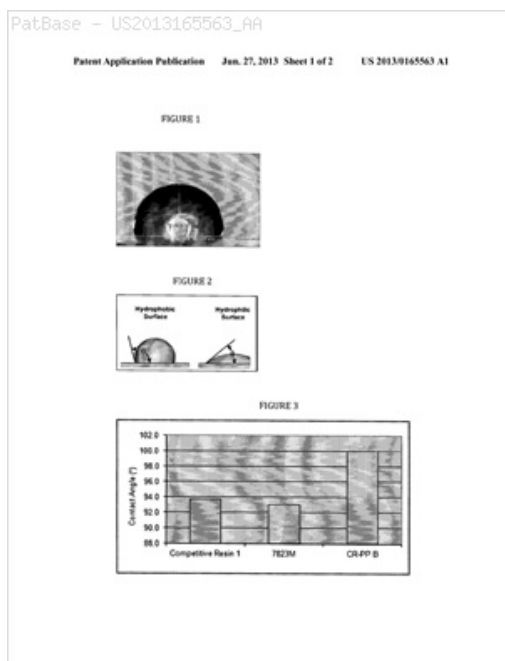
Abstract: A controlled rheology polypropylene that is made from Ziegler-Natta produced random copolymer and an additive formulation, extruded in the presence of a peroxide, exhibits low fluid retention and can be used to make medical/laboratory grade equipment, such a pipette tips.

Classifications:

International (ipc 8-9): C08F10/06 C08F8/06 C08L23/06 C08L23/10 C08L23/12 C08L23/16 (Advanced/Invention)

CPC: C08K5/3435 C08K5/098 C08K5/20 C08K5/526 C08L2201/08 C08L2314/02 C08L23/06 C08L2023/40 C08L23/10 C08L23/16

US: 1/1 524/128



Family:

Publication number	Publication date	Application number	Application date
CN104136526 A	20141105	CN201280063379	20121218
EP2782961 A1	20141001	EP20120888289	20121218
EP2782961 A4	20150603	EP20120888289	20121218
EP2782961 B1	20190925	EP20120888289	20121218
KR20150070041 A	20150624	KR20147017075	20121218
US2013165563 AA	20130627	US20120676935	20121114
US9365710 BB	20160614	US20120676935	20121114
WO14077859 A1	20140522	WO2012US70355	20121218

Priority:

US20110578999P 20111222 US20120676935 20121114 WO2012US70355 20121218

Probable Assignee: FINA TECHNOLOGY INC

Assignee(s): (std): FINA TECHNOLOGY ; LOPEZ MARGARITO ; MCLEOD MICHAEL

Assignee(s): FINA TECHNOLOGY INC

Inventor(s): (std): MCLEOD MICHAEL ; LOPEZ MARGARITO

Agent(s): LEYDER FRANCIS; RABOIN JEAN CHRISTOPHE; ALBERT; ALEXANDER DAVID J

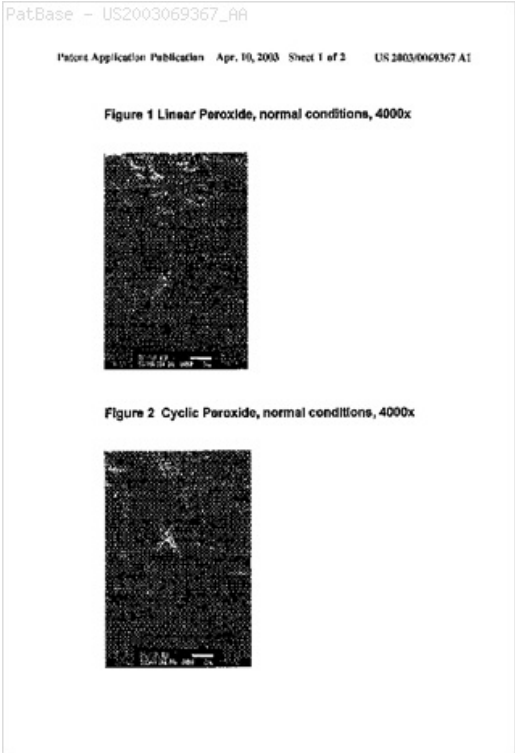
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4) Family number: 27901663 (US2003069367A)
PatBase

Title: POLYPROPYLENE COPOLYMERS AND METHOD OF PREPARING POLYPROPYLENE COPOLYMERS

Abstract: Polypropylene heterophasic copolymers are produced having increased impact strength through the use of controlled rheology techniques by the addition of a peroxide at conditions which increase the deactivation or half life of the peroxide. The increased half life slows down the vis-breaking process and allows better dispersion of rubber particles within the polymer. In this way, copolymers having a high melt flow can be prepared while obtaining high impact strength and lower stiffness values, without the need for additional elastomeric modifiers.

Classifications:
International (ipc 8-9): C08F8/50 C08J3/00 (Advanced/Invention); C08F8/00 C08J3/00 (Core/Invention)
International (ipc 1-7): C08F8/00 C08F8/06 C08F8/50 C08J3/00 C08L23/14
CPC: C08F2800/20 C08F2810/10 B29K2023/04 B29K2023/12 B29K2023/14 B29C48/023 B29C48/03 C08F8/50
European: C08F8/50
US: 525/333.8 525/387 525/387P



Family:

Publication number	Publication date	Application number	Application date
EP1279684 A1	20030129	EP20020078052	20020724
JP2003055464 A2	20030226	JP20020210904	20020719
US2003069367 AA	20030410	US20010917310	20010726
US2003208007 AA	20031106	US20030448571	20030530
US6610792 BB	20030826	US20010917310	20010726
US6765068 BB	20040720	US20030448571	20030530

Priority:
US20010917310 20010726 US20030448571 20030530

Probable Assignee: FINA TECHNOLOGY INC

Assignee(s): (std): FINA TECHNOLOGY

Assignee(s): FINA TECHNOLOGY INC ; FINA TECHNOLOGY INC A OF STATE OF DELAWARE CORP ; WHEAT WILLIAM R ; NAIRN JEFF ; VANDEURZEN PHILIPPE ; ALBE LISA K ; COOPER SCOTT ; DAUMERIE MICHEL ; FINA TECHNOL INC

Inventor(s): (std): ALBE LISA K ; WHEAT WILLIAM R ; NAIRN JEFF ; COOPER SCOTT ; DAUMERIE MICHEL ; VANDEURZEN PHILIPPE ; VAN DEURZEN PHILIPPE

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

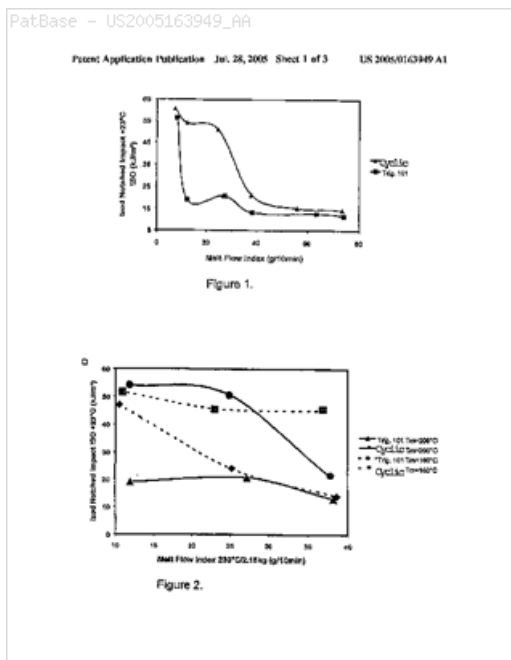
5) Family number: 19243772 (US2005163949A)
PatBase

Title: CONTROLLED RHEOLOGY POLYPROPYLENE HETEROPHASIC COPOLYMERS

Abstract: This invention relates to the use of a cyclic ketone peroxide of half-life time larger than one second at a temperature of 225 degrees centigrade, for producing a controlled rheology polypropylene heterophasic copolymer of melt index MI2 larger than 15 g/10 min, having simultaneously a very high impact resistance and a high flexural modulus.

Classifications:
International (ipc 8-9): C08F210/06 C08F8/00 C08F8/06 C08F8/50 C08J11/22 C08J5/00 C08K5/14 (Advanced/Invention)
International (ipc 1-7): B65D1/00 C08F8/50 C08J5/00 C08L23/10
CPC: C08F2800/20 C08F2810/10 C08J11/22 C08J2323/14 C08K5/14 Y10T428/1352 Y02W30/706 C08F8/50

European: C08F8/50 C08F8/50+10/00 C08J11/22 C08K5/14 M08J323/14
US: 428/35.7 428/35.700P 525/333.8 525/333.800P 525/387 525/387S



Family:

Publication number	Publication date	Application number	Application date
AT321075 E	20060415	AT20010967318T	20010907
AU2001287718 AA	20020322	AU20010287718	20010907
AU200187718 A1	20020322	AU20010087718	20010907
AU200187718 A5	20020322	AU20010087718	20010907
DE60118218 D1	20060511	DE20016018218	20010907
DE60118218 D1	20060511	DE20016018218T	20010907
DE60118218 T2	20061214	DE20016018218T	20010907
DK1315763 T3	20060724	DK20010967318T	20010907
EP1186618 A1	20020313	EP20000203099	20000908
EP1315763 A1	20030604	EP20010967318	20010907
EP1315763 B1	20060322	EP20010967318	20010907
EP1666509 A2	20060607	EP20060110731	20010907
EP1666509 A3	20060621	EP20060110731	20010907
ES2259671 T3	20061016	ES20010967318T	20010907
JP2004508437 T2	20040318	JP20020525247T	20010907
JP5133489 B2	20130130	JP20020525247T	20010907
US2005163949 AA	20050728	US20010363972	20010907
US2009171034 AA	20090702	US20090396635	20090303
US7902300 BB	20110308	US20090396635	20090303
WO220628 A1	20020314	WO2001EP10350	20010907

Priority:

EP20000203099 20000908	EP20010967318 20010907	EP20060110731 20010907
US20010363972 20010907	WO2001EP10350 20010907	US20050363972 20050210
US20090396635 20090303		

Probable Assignee: TOTAL PETROCHEMICALS RESEARCH FELUY

Assignee(s): (std): ALBE LISA K ; ATOFINA RES ; TOTAL PETROCHEMICALS RES FELUY ; VANDEURZEN PHILIPPE

Assignee(s): VANDEURZEN PHILLPPE ; TOTAL PETROCHEMICALS RESEARCH FELUY SENEFFE ; TOTAL PETROCHEMICALS RESEARCH FELUY ; ATOFINA RESEARCH

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Agent(s): HIROSHI KOSHIBA; DAVID J ALEXANDER, FINA TECHNOLOGY INC; DAVID J ALEXANDER FINA TECHNOLOGY INC; FINA TECHNOLOGY INC; DIANE L

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 PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW