

Search history

Search 1: [Chemical Explorer]: Selected structures (9) (Results 7118)
Search 2: SFT=(copolymerization ethylene) (Results 100)
Search 3: 1 and 2 (Results 1)
Search 4: IC=(C08F110/02) (Results 4284)
Search 5: 1 and 4 (Results 43)
Search 6: [GS]: 2,2-di (tert-amylperoxy) butane (Results 0)
Search 7: SFT=(iniator) (Results 254)
Search 8: 1 and 7 (Results 11)
Search 9: FT=(2,2-DI~ (TERT-AMYLPEROXY~) BUTANE~) (Results 0)
Search 10: [Chemical Explorer]: 2,2-di(tert-amylperoxy)butane (Results 70)
Search 11: [Chemical Explorer]: 2,2-di(t-amylperoxy)propane (Results 165)
Search 12: 10 and 11 (Results 15)

Title: NON-WATER DISPERSED VINYL RESIN SOLUTION HAVING HIGH CONCENTRATION AND ITS PRODUCTION

Abstract: PROBLEM TO BE SOLVED: To obtain the subject solution giving a coating film having excellent sagging resistance, skimming resistance, etc., without lowering the coating film performance by using a dispersion stabilizer comprising a vinyl copolymer prepared by the solution polymerization using an alkyl hydroperoxide as a polymerization initiator. SOLUTION: A vinyl copolymer to be used as a dispersion stabilizer is prepared in an organic solvent solution of a vinyl copolymer in the presence of the dispersion stabilizer using an organic solvent solution of a vinyl copolymer produced by the copolymerization of ethylenic unsaturated monomer. In the above preparation process, an alkyl hydroperoxide having a ≥ 5 C t-alkyl group or its derivative is subjected to solution polymerization using a polymerization initiator and copolymerizing with a monomer same as or different from the ethylenic unsaturated monomer to obtain the objective solution composed of polymer particles insoluble in organic solvent.

Classifications:

International (IPC 8-9): C08F2/00 C08F2/08 (Advanced/Invention);
C08F2/00 C08F2/04 (Core/Invention)

International (IPC 1-7): C08F2/00 C08F2/08

PatBase - JP10251306_A 第 1 表

	化 合 物 名	配合量
ビニル単量体	n-ブチルメタクリレート	350
	2-エチルヘキシルメタクリレート	150
	ラウリルメタクリレート	70
	2-ヒドロキシエチルメタクリレート	30
重合開始剤	tert-アミルパーオキシ	12
	2-エチルヘキサノエート	

Family:

Publication number	Publication date	Application number	Application date
JP10251306 A2	19980922	JP19970059079	19970313

Priority:

JP19970059079 19970313

Probable Assignee: DAINIPPON INK AND CHEMICALS

Assignee(s): (std): DAINIPPON INK AND CHEMICALS

Assignee(s): DAINIPPON INK AND CHEM INC

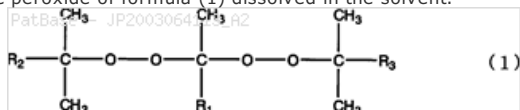
Inventor(s): (std): KISHIGAMI SATORU ; MASUDA TAKESHI

Title: METHOD FOR PRODUCING ACRYLIC RESIN

Abstract: PROBLEM TO BE SOLVED: To provide a method for producing an acrylic resin having excellent weatherability and develop a safe organic peroxide composition. SOLUTION: An acrylic resin having excellent weatherability is produced by using an organic peroxide of formula (1) (R₁ is a 1-20C alkyl which may have hydroxy group and/or alkoxy group as a substituent; and R₂ and R₃ are each a 2-20C alkyl which may be substituted with hydroxy group or alkoxy group, a phenyl group which may be substituted with an alkyl group or a cycloalkyl group which may be substituted with an alkyl group) as a polymerization initiator. A resin composition having high safety is produced by using an organic peroxide composition containing 10-50 percent solvent having a dipole moment of less than or equal to 0.5 and a boiling point or an initial boiling point of greater than or equal to 110 deg.C and 50-90 percent organic peroxide of formula (1) dissolved in the solvent.

Classifications:**International (IPC 8-9):** C07C409/22 C08F20/00

C08F4/36 (Advanced/Invention)

International (IPC 1-7): C07C409/22 C08F20/00 C08F4/36**Family:**

Publication number	Publication date	Application number	Application date
JP2003064113 A2	20030305	JP20010252853	20010823
JP4774172 B2	20110914	JP20010252853	20010823

Priority:

JP20010252853 20010823

Probable Assignee:

KAYAKU NOURY CORP

Assignee(s): (std):

KAYAKU NOURY CORP

Assignee(s):

KAYAKU AKZO CORP

Inventor(s): (std):

ITO TADANAGA

Title: Process for reducing residual monomers in low viscosity polymer-polyols

Abstract: An improved process is provided for preparing stable low viscosity polymer-polyols containing less than about 100 ppm residual monomers by using a monoperoxycarbonate initiator in combination with at least one initiator selected from diperoxyketals and peroxyesters, as chaser catalysts, at or near the end of the polymerization. The polymer-polyols prepared by the instant invention can be used to prepare high resiliency (load bearing) polyurethane foams.

Classifications:

International (IPC 8-9): C08F283/00 C08F283/06 C08F4/28 C08F4/36 C08F4/38 C08F6/00 C08F6/10 C08G18/62

C08G18/63 (Advanced/Invention);

C08F283/00 C08F4/00 C08F6/00 C08G18/00 (Core/Invention)

International (IPC 1-7): A61B17/00 C07C121/54 C08F283/00

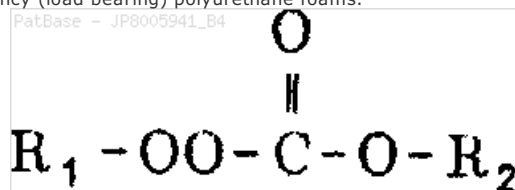
C08F283/06 C08F4/36 C08F4/38 C08F6/10 C08G18/62 C08G18/63

CPC: C08F6/006 C08F283/00 C08G18/63

European: C08F283/00 C08F6/00D C08G18/63

US: 526/86 558/358 558/388

PatBase - JP8005941_B4



Family:

Publication number	Publication date	Application number	Application date
CA1269793 A1	19900529	CA19870532454	19870319
DE3777729 D1	19920430	DE19873777729	19870225
EP0259537 A2	19880316	EP19870102632	19870225
EP0259537 A3	19900207	EP19870102632	19870225
EP0259537 B1	19920325	EP19870102632	19870225
JP2106127 C3	19961106	JP19870109948	19870507
JP63069813 A2	19880329	JP19870109948	19870507
JP8005941 B4	19960124	JP19870109948	19870507
US4804775 A	19890214	US19860905412	19860909

Priority:

US19860905412 19860908

US19860905412 19860909

CA19870532454 19870319

Probable Assignee: ARKEMA SA

Assignee(s): (std): ATOCHEM NORTH AMERICA ; PENNWALT CORP

Assignee(s): ATOFINA CHEMICALS INC ; ATOFINA CHEMICALS INC A CORP OF PENNSYLVANIA ; PENNWALT THREE PARKWAY PHILADELPHIA PA A CORP OF P ; PALYS LEONARD H ; KAMATH VASANTH R ; ATOCHEM NORTH AMERICA INC ; ATOCHEM NORTH AMERICA INC A PA CORP ; ATOCHEM NORTH AMERICA INC A PENNSYLVANIA CORP ; ATOCHEM NORTH AMERICA INC PHILADELPHIA PA US ; ARKEMA INC ; ARKEMA SA

Inventor(s): (std): BASANSU AARU KAMASU ; KAMATH VASANTH R ; PALYS LEONARD H ; RENAADO EICHI PARISU

Inventor(s): PALYS LEONARD H WILLIAMSVILLE NEW YORK 14221 US ; KAMATH VASANTH R E AMHERST NEW YORK 14150 US

Agent(s): BORDEN LADNER GERVAIS LLP

Designated states: BE DE FR GB IT NL

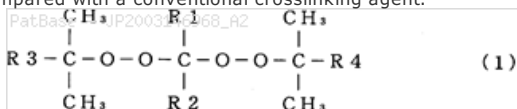
Title: CROSSLINKING AGENT FOR SILICONE RUBBER, CROSSLINKING METHOD AND CROSSLINKED BODY

Abstract: PROBLEM TO BE SOLVED: To provide a crosslinked silicone rubber that has reduced smell and reduced discoloration. SOLUTION: An organic peroxide represented by the formula (1) (wherein R1, R2, R3 and R4 are each a 1-10C linear or branched chain alkyl group) or a composition thereof is used as a crosslinking agent for silicone rubber to produce crosslinked rubber having largely reduced smell and discoloration compared with a conventional crosslinking agent.

Classifications:

International (IPC 8-9): C07C409/22 C08J3/24 C08K3/36 C08K5/14 C08L83/04 (Advanced/Invention)

International (IPC 1-7): C07C409/22 C08J3/24 C08K3/36 C08K5/14 C08L83/04



Family:

Publication number	Publication date	Application number	Application date
JP2003146968 A2	20030521	JP20010343433	20011108

Priority:

JP20010343433 20011108

Probable Assignee: KAYAKU NOURY CORP

Assignee(s): (std): KAYAKU NOURY CORP

Assignee(s): KAYAKU AKZO CORP

Inventor(s): (std): ISHIWATARI AKIO ; OMOTO HITOSHI

Title: Solution polymerization of acrylic acid derived monomers using tertiary alkyl(C5)-hydroperoxides.

Abstract: A process is provided for the free radical polymerization of monomers derived from substituted or unsubstituted acrylic acid/methacrylic acid and esters thereof for the production of a polymer having a narrow molecular weight distribution and an average molecular weight of less than 4000. These polymers are produced by the solution polymerizing of said monomers wherein 20-40 percent by weight of the monomer composition is hydroxyalkyl acrylate or methacrylate in the presence of a solvent system suitable for high solids coating applications and in the presence of an initiating amount of a tertiary alkyl hydroperoxide and/or its derivatives having at least 5 carbons wherein the initiator and monomers, alone or in combination, are added continuously at a programmed rate wherein the rate of addition corresponds approximately to the rate of decomposition of said monomer and initiator. These polymers are used for high solids coating applications.

Classifications:

International (IPC 8-9): C08F2/04 C08F2/06 C08F220/26 C08F220/28 (Advanced/Invention)

International (IPC 1-7): C08F2/06 C08F220/28

CPC: C08F2/06

European: C08F2/06

Family:

Publication number	Publication date	Application number	Application date
AT73826 E	19920415	AT19870100025T	19870102
DE3777581 A1	19920423	DE19873777581	19870102
DE3777581 D1	19920423	DE19873777581	19870102
EP0273090 A1	19880706	EP19870100025	19870102
EP0273090 B1	19920318	EP19870100025	19870102
ES2030001 T3	19921016	ES19870100025T	19870102
JP63168415 A2	19880712	JP19860309006	19861226

Priority:

JP19860309006 19861226 EP19870100025 19870102

Probable Assignee: ATOCHEM NORTH AMERICA

Assignee(s): (std): ATOCHEM NORTH AMERICA ; PENNWALT CORP

Assignee(s): ATOCHEM NORTH AMERICA INC A PENNSYLVANIA CORP

Inventor(s): (std): KAMATH VASANTH R ; BASANSU AARU KAMASU

Designated states: AT BE CH DE ES FR GB IT LI NL SE

Title: Solution polymerization of acrylic acid derived monomers using tertiary alkyl(eta C5)hydroperoxides

Abstract: A process is provided for the free radical polymerization of monomers derived from substituted or unsubstituted acrylic acid/methacrylic acid and esters thereof for the production of a polymer having a narrow molecular weight distribution and an average molecular weight of less than 4000. These polymers are produced by the solution polymerizing of said monomers wherein 20-40 percent by weight of the monomer composition is hydroxyalkyl acrylate or methacrylate in the presence of a solvent system suitable for high solids coating applications and in the presence of an initiating amount of a tertiary alkyl hydroperoxide and/or its derivatives having at least 5 carbons wherein the initiator and monomers, alone or in combination, are added continuously at a programmed rate wherein the rate of addition corresponds approximately to the rate of decomposition of said monomer and initiator. These polymers are used for high solids coating applications.

Classifications:

International (IPC 8-9): C08F2/06 C08F20/28 C08F220/28 C08F4/34 (Advanced/Invention);
C08F2/04 C08F20/00 C08F220/00 C08F4/00 (Core/Invention)

International (IPC 1-7): C08F2/06 C08F20/28 C08F4/34

CPC: C08F220/28

European: C08F220/28

US: 526/208 526/209 526/210 526/212 526/213 526/227 526/228 526/230 526/230.5 526/231 526/232 526/232.3 526/232.5 526/318.42 526/320 526/78 526/79 526/86

Family:

Publication number	Publication date	Application number	Application date
CA1262008 A1	19890926	CA19850495783	19851120
US4777230 A	19881011	US19860941137	19861212

Priority:

US19850739265 19850530 CA19850495783 19851120 US19860941137 19861212

Probable Assignee: ARKEMA SA

Assignee(s): (std): PENNWALT CORP

Assignee(s): PENNWALT A CORP OF PA CORP ; KAMATH VASANTH R ; ARKEMA INC ; ARKEMA SA ; ATOCHEM NORTH AMERICA INC ; ATOCHEM NORTH AMERICA INC A PA CORP ; ATOFINA CHEMICALS INC ; ATOFINA CHEMICALS INC A CORP OF PENNSYLVANIA ; ELF ATOCHEM NORTH AMERICA INC

Inventor(s): (std): KAMATH VASANTH R

Agent(s): BORDEN LADNER GERVAIS LLP

Title: RADICAL TRAP IN OIL AND GAS STIMULATION OPERATIONS

Abstract: A method for using a fracture fluid in forming subterranean fractures includes delaying degradation of a polymer in a fracture fluid when the fracture fluid comprises a breaker by combining at least one radical scavenger with the fracture fluid. The mixture for use in a fracture fluid comprises a radical scavenger and a breaker. A method of fracturing a subterranean formation may include providing a fracture fluid comprising a proppant, a polymer, and a breaker and adding a radical scavenger to the fracture fluid. The fracture fluid is supplied to a desired location in the subterranean formation to form at least one fracture where the viscosity of the fracture fluid is maintained. The breaker is then allowed to degrade the polymer and reduce the viscosity of the fracture fluid at a specific time or temperature.

Classifications:

International (IPC 8-9): C09K8/68 C09K8/70 C09K8/80 C09K8/88 E21B43/26 (Advanced/Invention)

CPC: C09K8/68 C09K8/70 C09K8/88 C09K2208/26 E21B43/26

European: C09K8/68 C09K8/70 C09K8/88 M09K208/26

US: 1/1 166/308.1 507/225 507/266

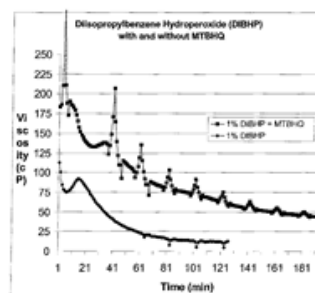
PatBase - US2012241158_AA

Patent Application Publication

Sep. 27, 2012

US 2012/0241158 A1

FIGURE 1



Family:

Publication number	Publication date	Application number	Application date
BR112012014003 A2	20160412	BR20121114003	20101206
CA2784000 AA	20110616	CA20102784000	20101206
CA2784000 C	20170829	CA20102784000	20101206
CN102686827 A	20120919	CN201080059828	20101206
CN102686827 B	20160224	CN201080059828	20101206
MX2012006681 A1	20120730	MX20120006681	20101206
RU2012129186 A	20140120	RU20120129186	20101206
RU2553809 C2	20150620	RU20120129186	20101206
US2012241158 AA	20120927	US20100514374	20101206
US9102866 BB	20150811	US20100514374	20101206
WO11071797 A1	20110616	WO2010US59043	20101206

Priority:

US20090285718P 20091211

US20100514374 20101206

WO2010US59043 20101206

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA INC ; ARKEMA INK ; ARKEMA SA ; FEORINO JR JAMES J ; SESHADRI SRI R ; PALYS LEONARD H

Assignee(s): FEORINO JAMES J JR

Inventor(s): (std): FEORINO JAMES J JR ; FEORINO JR JAMES J ; PALYS LEONARD H ; SESHADRI SRI R ; SESKHADRI SRI R ; PEHLIS LEONARD KH ; FEORINO ML DZHEJMS DZH

Inventor(s): SRI R SESHADRI ; JAMES J FEORINO JR ; LEONARD H PALYS ; FEORINO JAMES J

Agent(s): BORDEN LADNER GERVAIS LLP; LYNN B; BOYD STEVEN D ET AL

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 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

Title: FREE RADICAL POLYMERISATION OF ETHYLENE INITIATED BY ORGANIC PEROXIDES WITH HIGH PRODUCTIVITY

Abstract: A method for manufacturing polyethylene or an ethylene copolymer, including a step of free radical polymerisation or copolymerisation of the ethylene at an initiation temperature varying from 150 degrees centigrade to 200 degrees centigrade, at a pressure varying from 500 to 3000 bar, in the presence of a peroxidic polymerisation initiator selected from among the peroxide compounds of formula (I) in which R1 and R8 are, separately, a C2-C6 alkyl group; R2, R3, R6 and R7 are, separately, a C1-C5 alkyl group; and R4 and R5 are, separately, a C1-C6 alkyl group.

Classifications:

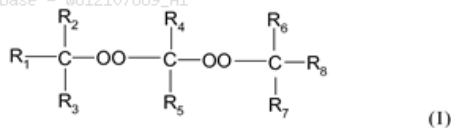
International (IPC 8-9): C08F10/02 C08F110/02 C08F2/00 C08F2/38 C08F2/44 C08F4/28 C08F4/36 (Advanced/Invention); C08F10/02 (Core/Invention)

CPC: C08F110/02 C08F4/36 C08F4/38 C08F10/02

European: C08F10/02 C08F110/02 M08F110/02

US: 1/1 524/855 526/232.3

PatBase - WO12107689_A1



Family:

Publication number	Publication date	Application number	Application date
BR112013020243 A2	20161018	BR20131120243	20120208
CA2825190 AA	20130716	CA20122825190	20120208
CN103339155 A	20131002	CN201280007821	20120208
CN103339155 B	20160810	CN201280007821	20120208
CN106046213 A	20161026	CN201610531738	20120208
CO6781559 A2	20131031	CO20130193435	20130814
DE602012003152 D1	20141030	DE201260003152T	20120208
EP2673307 A1	20131218	EP20120707885	20120208
EP2673307 B1	20140917	EP20120707885	20120208
ES2524692 T3	20141211	ES20120707885T	20120208
FR2971510 A1	20120817	FR20110051086	20110210
FR2971510 B1	20130322	FR20110051086	20110210
IN06435DN2013 A	20141212	IN2013DN06435	20130718
JP2014505152 T2	20140227	JP20130553011T	20120208
JP2016094617 A2	20160526	JP20150243041	20151214
JP5859028 B2	20160210	JP20130553011T	20120208
JP6161680 B2	20170712	JP20150243041	20151214
KR101838771 B1	20180314	KR20137023520	20120208
KR20140048095 A	20140423	KR20137023520	20120208
MX2013009207 A1	20130829	MX20130009207	20120208
TH143323 A	20151012	TH20131004426	20120208
US2013310518 AA	20131121	US20120983787	20120208
US9045571 BB	20150602	US20120983787	20120208
WO12107689 A1	20120816	WO2012FR50270	20120208

Priority:

FR20110051086	20110210	CN201280007821	20120208	EP20120707885	20120208
WO2012FR50270	20120208	JP20130553011T	20120208	JP20150243041	20151214

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA FRANCE ; ARKEMA SA ; HUB SERGE ; NICOL PASCAL

Inventor(s): (std): SERGE HUB ; PASCAL NICOL ; NICOL PASCAL ; HUB SERGE

Agent(s): ROBIC; SILVANA MARIA LOPEZ DIAZ; BEETZ AND PARTNER MBB PATENTANWALTE; GAVIN PABLO; CARVAJAL Y ISABEL; BUREAU DA CASALONGA AND JOSSE; CASALONGA AND ASSOCIES; HIROSHI KOSHIBA; BUCHANAN INGERSOLL AND ROONEY PC

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 QA RO RS RU RW 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

Title: PROMOTERS FOR PEROXIDES IN AQUEOUS TREATMENT FLUIDS

Abstract: The addition of at least one promoter selected from the group consisting of thiosulfate salts, sulfite salts, bisulfite salts, erythorbate salts, isoascorbate salts, and combinations thereof to an aqueous treatment fluid containing a viscosifying polymer and a peroxide helps to promote the activity of the peroxide as a breaker, thus facilitating a reduction in viscosity of the aqueous treatment fluid at lower temperatures than are possible in the absence of the promoter. The promoted aqueous treatment fluid is useful as a fracture fluid to fracture subterranean formations in oil and gas recovery.

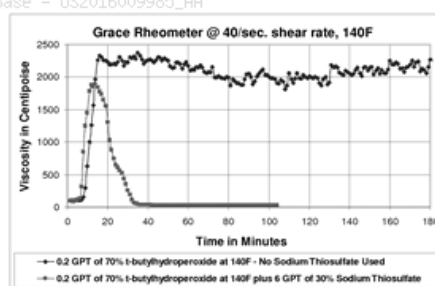
Classifications:

International (IPC 8-9): C09K8/00 C09K8/68 C09K8/88 C09K8/90 E21B43/22 E21B43/26 E21B43/267 (Advanced/Invention)

CPC: C09K2208/26 C09K8/685 C09K8/885 C09K8/887 C09K8/90 C09K8/88 E21B43/267 Y10S507/922 Y10S507/924 Y10S507/904

US: 507/211

PatBase - US2016009985_AA



Example 1

FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AR095012 AA	20150916	AR2014P100605	20140226
AU2014223906 AA	20140904	AU20140223906	20140220
AU2014223906 BB	20180222	AU20140223906	20140220
BR112015020488 A2	20170718	BR20151120488	20140220
CA2902163 AA	20150820	CA20142902163	20140220
CN105008661 A	20151028	CN201480010608	20140220
EP2961923 A1	20160106	EP20140756534	20140220
EP2961923 A4	20161019	EP20140756534	20140220
MX2015011059 A1	20151022	MX20150011059	20140220
RU2015141019 A	20170331	RU20150141019	20140220
RU2658424 C2	20180621	RU20150141019	20140220
US2016009985 AA	20160114	US20140770104	20140220
WO14133853 A1	20140904	WO2014US17276	20140220

Priority:

US20130769830P 20130227 US20140770104 20140220 WO2014US17276 20140220

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA INC ; ARKEMA INK ; ARKEMA SA

Assignee(s): BRENNAN JOSEPH M ; PALYS LEONARD H ; LYONS JASON M

Inventor(s): (std): BRENNAN DZHOZE F ; BRENNAN JOSEPH M ; LAJONZ DZHEJSON M ; LYONS JASON M ; PALYS LEONARD H ; PELIS LEONARD KH ; LEONARD H PALYS ; JOSEPH M BRENNAN ; JASON M LYONS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BORDEN LADNER GERVAIS LLP; GAVIN PABLO; OOO YURIDICHESKAYA GORODISSKIY I PARTNERY FA; MORREALE LYNN B ET AL

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 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

Title: MODIFICATION OF POLYAMIDES

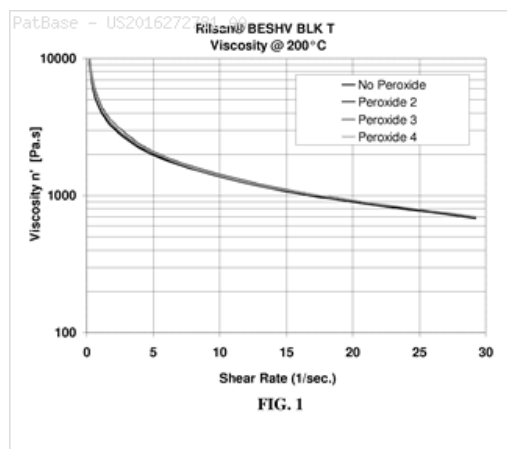
Abstract: The present invention relates to an improved modified polyamide having increased molecular weight and substantially the same or marginally increased viscosity versus shear weight as the unmodified polyamide. A method for modifying polyamides to provide these improved properties also is disclosed wherein a polyamide having an initial molecular weight is contacted with at least one organic peroxide, at least one coagent and/or one free-radical trap to form an improved polyamide having an increased molecular weight and substantially the same viscosity versus shear rate. The present disclosure also relates to polyamide compositions comprising organic peroxides and articles made from the modified polyamide.

Classifications:

International (IPC 8-9): B29K77/00 C08G69/00 C08G69/48 C08J3/24 C08J5/00 C08K5/04 C08K5/08 C08K5/13 C08K5/14 C08K5/3492 C08L77/00 C08L77/02 C08L77/06 (Advanced/Invention); B29K77/00 C08G69/48 (Advanced/Non-invention)

CPC: C08J5/00 C08K5/08 C08K5/34924 C08K5/13 C08G69/48 C08K5/14 C08L77/02 C08L77/06

US: 525/426

**Family:**

Publication number	Publication date	Application number	Application date
BR112016010457 A2	20170808	BR20161110457	20141022
CA2929941 AA	20160506	CA20142929941	20141022
CN105705553 A	20160622	CN201480061137	20141022
CN105705553 B	20180717	CN201480061137	20141022
EP3065944 A1	20160914	EP20140859540	20141022
EP3065944 A4	20170621	EP20140859540	20141022
IN201617015524 A	20160831	IN201617015524	20160504
JP2016535808 A2	20161117	JP20160528087	20141022
JP2016535808 T2	20161117	JP20160528087T	20141022
KR20160084847 A	20160714	KR20167014963	20141022
MX2016005967 A1	20160811	MX20160005967	20141022
TW201518406 A	20150516	TW20140138834	20141107
US2016272781 AA	20160922	US20140033935	20141022
US9663632 BB	20170530	US20140033935	20141022
WO15069455 A1	20150514	WO2014US61686	20141022

Priority:

US20130901468P 20131108 US20140033935 20141022 WO2014US61686 20141022

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA INC ; ARKEMA SA

Assignee(s): N A ; PALYS LEONARD H

Inventor(s): (std): LEONARD H PALYS ; PALYS LEONARD H

Agent(s): BORDEN LADNER GERVAIS LLP; ALBANI DALILA; AXIS PATENT INT; LYNN B; MORREALE LYNN B ET AL

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

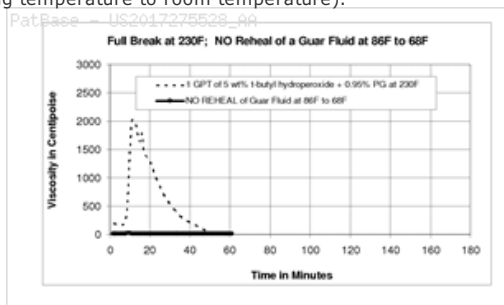
Title: COMPOSITIONS AND METHODS FOR BREAKING HYDRAULIC FRACTURING FLUIDS

Abstract: A breaker composition for use in a fracturing fluid comprises water, at least one peroxide (e.g., tert-butyl hydroperoxide), and optionally at least one alcohol (e.g., propylene glycol and/or a butyl alcohol). The peroxide(s) and optional alcohol(s) are present in amounts effective to reduce the viscosity of a fracturing fluid at a temperature of 90-300 F. (the "breaking temperature"), and to prevent rehealing of the fracturing fluid, i.e., to maintain the reduced viscosity for a period of time after the temperature is reduced from the breaking temperature to a temperature below the breaking temperature (e.g., after the temperature is reduced from the breaking temperature to room temperature).

Classifications:

International (IPC 8-9): C09K8/035 C09K8/524 C09K8/68 C09K8/88 C09K8/90 E21B43/26 (Advanced/Invention)

CPC: C09K8/68 C09K8/90 C09K8/035 C09K8/685 C09K8/887 C09K2208/26

**Family:**

Publication number	Publication date	Application number	Application date
AR101983 AA	20170125	AR2015P103032	20150918
BR112017005436 A2	20171212	BR20171105436	20150903
CA2961471 AA	20170315	CA20152961471	20150903
EP3194524 A1	20170726	EP20150842604	20150903
EP3194524 A4	20180228	EP20150842604	20150903
US2017275528 AA	20170928	US20150512174	20150903
WO16043977 A1	20160324	WO2015US48213	20150903

Priority:

US20140052555P 20140919 US20150512174 20150903 WO2015US48213 20150903

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA INC ; ARKEMA SA

Assignee(s): BRENNAN JOSEPH M ; DESPOTOPOULOU MARINA ; SWAN SCOT A ; PALYS LEONARD H ; ABRAMS MICHAEL B

Inventor(s): (std): JOSEPH M BRENNAN ; LEONARD H PALYS ; MARINA DESPOTOPOULOU ; MICHAEL B ABRAMS ; SCOT A SWAN ; SWAN SCOT A ; PALYS LEONARD H ; DESPOTOPOULOU MARINA ; BRENNAN JOSEPH M ; ABRAMS MICHAEL B

Agent(s): BORDEN LADNER GERVAIS LLP; GORINTIN SARAH; MORREALE LYNN B ET AL

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

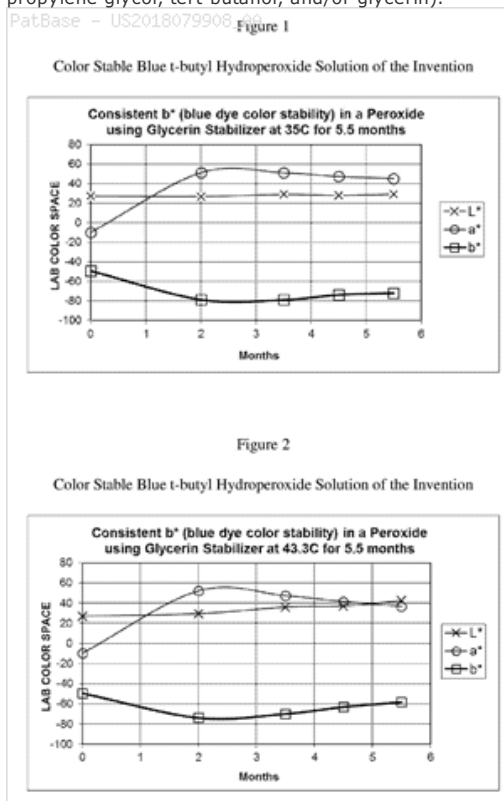
Title: COLORED ORGANIC PEROXIDE COMPOSITIONS

Abstract: Stable organic peroxide compositions include at least one organic peroxide (e.g., tert-butyl hydroperoxide), at least one dye (e.g., an FD and C dye), and at least one alcohol (e.g., propylene glycol, tert-butanol, and/or glycerin).

Classifications:

International (IPC 8-9): C07C31/20 C07C409/04 C07C57/13
C08F4/32 C08K5/05 C08K5/14 C08K5/42 C08L101/00 C09B11/00
C09B29/16 C09B67/20 C09B67/44 (Advanced/Invention)

CPC: C08F4/32 C08K5/14 C08K5/0041 C08K5/05 C07C31/205
C07C409/04 C09B67/0083



Family:

Publication number	Publication date	Application number	Application date
AR104671 AA	20170809	AR2016P100782	20160323
BR112017020328 A2	20180605	BR20171120328	20160310
CA2980436 AA	20170920	CA20162980436	20160310
CN107428663 A	20171201	CN201680017197	20160310
EP3274323 A1	20180131	EP20160769309	20160310
JP2018513886 T2	20180531	JP20170549620T	20160310
KR20170131553 A	20171129	KR20177030494	20160310
MX2017012276 A1	20180109	MX20170012276	20160310
TW201641559 A	20161201	TW20160109561	20160325
US2018079908 AA	20180322	US20160559847	20160310
WO16153791 A1	20160929	WO2016US21654	20160310

Priority:

US20150137885P 20150325 US20160559847 20160310 WO2016US21654 20160310

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA INC ; ARKEMA SA

Assignee(s): BRENNAN JOSEPH M ; SWAN SCOT A ; DESPOTOPOULOU MARINA ; SCHWARTZ SCOTT J ; PALYS LEONARD H ; N A ; ABRAMS MICHAEL B

Inventor(s): (std): JOSEPH M BRENNAN ; LEONARD H PALYS ; MARINA DESPOTOPOULOU ; MICHAEL B ABRAMS ; SCOT A SWAN ; SCOTT J SCHWARTZ ; SWAN SCOT A ; SCHWARTZ SCOTT J ; PALYS LEONARD H ; DESPOTOPOULOU MARNA ; DESPOTOPOULOU MARINA ; BRENNAN JOSEPH M ; ABRAMS MICHAEL B ; ABRAMS MCHAE B

Agent(s): BORDEN LADNER GERVAIS LLP; GORINTIN SARAH; AXIS PATENT INT; MORREALE LYNN B ET AL

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

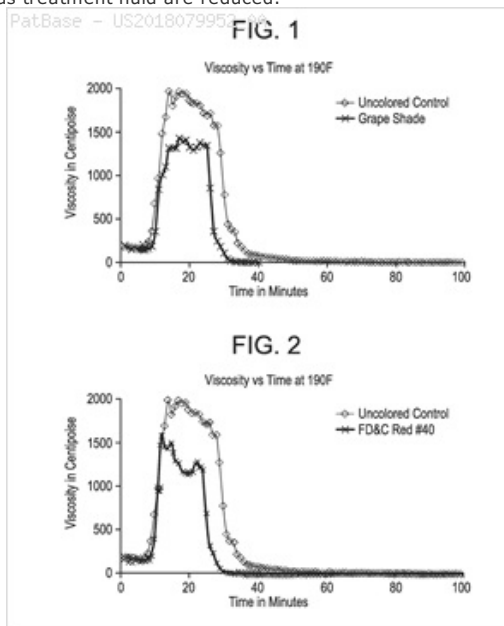
Title: COLORED ORGANIC PEROXIDE COMPOSITIONS AND METHODS FOR BREAKING HYDRAULIC FRACTURING FLUIDS

Abstract: A breaker composition for use in a fracturing fluid comprises at least one organic peroxide (e.g., tert-butyl hydroperoxide), at least one dye (e.g., an FD and C dye), and at least one alcohol (e.g., propylene glycol). A promoter composition for use in a fracturing fluid comprises at least one promoter (e.g., sodium thiosulfate), at least one dye (e.g., an FD and C dye). According to certain embodiments, the dye increases the efficiency of the promoter and/or the organic peroxide, so that the break time and the peak viscosity of the aqueous treatment fluid are reduced.

Classifications:

International (IPC 8-9): C08J11/22 C09K8/524 C09K8/68 C09K8/84 C09K8/86 C09K8/88 E21B43/26 (Advanced/Invention)

CPC: C09K8/887 E21B43/26 C09K8/845 C09K8/685 C09K8/68 C09K8/86 C09K2208/26



Family:

Publication number	Publication date	Application number	Application date
AR104670 AA	20170809	AR2016P100781	20160323
BR112017020324 A2	20180605	BR20171120324	20160310
CA2980448 AA	20170920	CA20162980448	20160310
EP3277772 A1	20180207	EP20160769310	20160310
TW201700713 A	20170101	TW20160109560	20160325
US2018079952 AA	20180322	US20160559842	20160310
WO16153792 A1	20160929	WO2016US21656	20160310

Priority:

US20150137882P 20150325 US20160559842 20160310 WO2016US21656 20160310

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA INC ; ARKEMA SA

Assignee(s): BRENNAN JOSEPH M ; SWAN SCOT A ; DESPOTOPOULOU MARINA ; SCHWARTZ SCOTT J ; PALYS LEONARD H ; ABRAMS MICHAEL B

Inventor(s): (std): ABRAMS MCHAE B ; DESPOTOPOULOU MARNA ; SWAN SCOT A ; SCOTT J SCHWARTZ ; SCOT A SWAN ; SCHWARTZ SCOTT J ; PALYS LEONARD H ; MICHAEL B ABRAMS ; MARINA DESPOTOPOULOU ; LEONARD H PALYS ; JOSEPH M BRENNAN ; DESPOTOPOULOU MARINA ; BRENNAN JOSEPH M ; ABRAMS MICHAEL B

Agent(s): BORDEN LADNER GERVAIS LLP; GORINTIN SARAH; MORREALE LYNN B ET AL

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

Title: RADICAL POLYMERISATION OF ETHYLENE INITIATED BY A COUPLE OF ORGANIC PEROXIDES WITH HIGH PRODUCTIVITY

Abstract: The invention relates to a method for producing polyethylene or an ethylene copolymer, comprising a step of radical polymerisation or copolymerisation of ethylene in the presence of: a first peroxidic polymerisation initiator selected from the diperketal peroxide compounds of formula (I) where the groups R₁, R₂, R₃, R₆, R₇ and R₈ consist of linear, branched or cyclic C₁-C₁₀ alkyl groups which are substituted or not; and a second initiator, different from said first initiator, which is also a diperketal peroxide of formula (I).

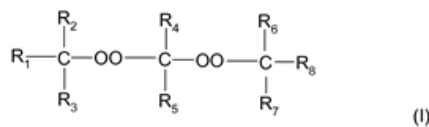
Classifications:

International (IPC 8-9): C08F C08F10/02 C08F110/02 C08F2/38 C08F2/44 C08F4/36 C08F4/38 (Advanced/Invention);

C08F (Subclass/Invention)

CPC: C08F110/02 C08F10/02 C08F2/38 C08F2/44 C08F4/38

PatBase - WO17055748_A1



Family:

Publication number	Publication date	Application number	Application date
BR112017026325 A2	20180821	BR20171126325	20160929
CN108026216 A	20180511	CN201680056697	20160929
CO20180002984 A2	20180531	CO20180002984	20180321
EP3356429 A1	20180808	EP20160785243	20160929
FR3041645 A1	20170331	FR20150059145	20150929
FR3041645 B1	20170908	FR20150059145	20150929
IL256565 A0	20180228	IL20160256565	20160929
IN201717044567 A	20180112	IN201717044567	20171212
KR20180063035 A	20180611	KR20187001713	20160929
MX2018002770 A1	20180413	MX20180002770	20160929
SG11201802172R A1	20180427	SG20181102172	20160929
WO17055748 A1	20170406	WO2016FR52470	20160929

Priority:

FR20150059145 20150929 WO2016FR52470 20160929

Probable Assignee: ARKEMA SA

Assignee(s): (std): ARKEMA FRANCE ; ARKEMA SA

Inventor(s): (std): BERSON ANNE ; HUB SERGE ; LAURICHESSE CHRISTIAN ; VAN EMELRICK BRUNO ; VAN HEMELRYCK BRUNO ; SERGE HUB ; CHRISTIAN LAURICHESSE ; ANNE BERSON ; BRUNO VAN HEMELRYCK

Inventor(s): BRUNO VAN EMELRICK

Agent(s): JOSE ANDRES RINCON USCATEGUI; GORINTIN SARAH; ARKEMA FRANCE

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 DJ 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 KW 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

Title: Unsaturated peroxide compositions, polymeric-peroxides derived therefrom and their uses

Abstract: Novel unsaturated peroxide compositions of Structure A, R-Q-X-R1A polymeric-peroxide compositions derived from them and their uses are disclosed.

Classifications:

International (IPC 8-9): C07C409/00 C07C409/16 C07C409/20

C07C409/22 C07C409/38 C07C409/40 C07D317/12 C07D317/30

C07D317/72 C07D319/06 C07D323/00 C08F16/00 C08F4/28 C08F4/34 C08F4/36 C08F8/00 C08K5/14 (Advanced/Invention); C07C409/00 C07D317/00 C07D319/00 C07D323/00 C08F4/00 (Core/Invention)

International (IPC 1-7): C07C409/00 C07C409/16 C07C409/20 C07C409/22 C07C409/38 C07D317/12 C07D317/30

C07D317/72 C07D319/06 C07D323/00 C08F116/36 C08F120/10 C08F124/00 C08F126/02 C08F16/00 C08F20/10 C08F24/00 C08F255/00 C08F26/02 C08F265/04 C08F4/34 C08F8/00 C08F8/06 C08K5/14

CPC: C07C409/20 C07C409/38 C07C409/40 C07C409/16 C07C409/22 C08F4/36

European: C07C409/16 C07C409/22 C07C409/40 C08F4/36

US: 525/193 525/263 525/328.2 525/333.8 525/374 525/387 525/451 526/266 526/301 526/312 526/316 526/328 549/352 549/353 568/558 568/561 568/563 568/567

PatBase - US5494988_A

R-Q-X-R₁

A

Family:

Publication number	Publication date	Application number	Application date
AT165820 E	19980515	AT19950101689T	19950208
BRPI9500031 A	19950919	BR1995PI00031	19950105
CA2132563 AA	19950810	CA19942132563	19940921
DE69502307 D1	19980610	DE19956002307	19950208
DE69502307 T2	19981224	DE19956002307T	19950208
EP0667339 A1	19950816	EP19950101689	19950208
EP0667339 B1	19980506	EP19950101689	19950208
ES2115998 T3	19980701	ES19950101689T	19950208
JP7258211 A2	19951009	JP19950043622	19950209
US5475072 A	19951212	US19940196339	19940209
US5489699 A	19960206	US19950452548	19950525
US5494988 A	19960227	US19950454753	19950531

Priority:

US19940196339 19940209

CA19942132563 19940921

US19950452548 19950525

US19950454753 19950531

Probable Assignee: ARKEMA SA

Assignee(s): (std): ELFATOCHM NORTH AMERICA INC ; ATOCHM NORTH AMERICA ELF

Assignee(s): ATOFINA CHEMICALS INC ; ATOFINA CHEMICALS INC A CORP OF PENNSYLVANIA ; ARKEMA INC ; ARKEMA SA ; ELF ATOCHM NORTH AMERICA INC ; ELF ATOCHM NORTH AMERICA INC PHILADELPHIA PA US ; ELF ATOCHM NORTH AMERICA ; PALYS LEONARD H ; STEIN DARYL L ; YORMICK JOHN S ; SANCHEZ JOSE ; N A

Inventor(s): (std): JIYON ESU YOOMITSUKU ; JIYOOZE SANCHIESU ; DARIRU ERU SUTAIN ; PALYS LEONARD H ; RENAADO EICHI PARISU ; SANCHEZ JOSE ; STEIN DARYL L ; YORMICK JOHN S

Inventor(s): YORMICK JOHN S KENMORE NEW YORK 14217 US ; STEIN DARYL L WEST CHESTER OHIO 45069 US ; SANCHEZ JOSE GRAND ISLAND NEW YORK 14072 US ; PALYS LEONARD H AMHERST NEW YORK 14240 US ; DARYL L STEIN ; JOHN S YORMICK ; JOSE SANCHEZ ; LEONARD H PALYS

Agent(s): BORDEN LADNER GERVAIS LLP

Designated states: AT BE CH DE DK ES FR GB IT LI LU NL