

Base : FAMPAT

SEARCH STRATEGY

SS Results

16	21	15 AND PD<20141128
15	25	14 AND 2
14	43	13 AND 6
13	146	12 AND 4
12	646	11 AND 1
11	35911	..SIMILARITY SS 10 RANKED 1
10	2	7 AND 9
9	141	FROTH AND REDIRECT+/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
8	3	FROTH REDIRECT+/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
7	1443	5 AND 6
6	1591650	BEAD+/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
5	3016	3 AND 4
4	792202	SIEVE/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
3	14475	1 AND 2
2	1310855	MINERAL OR PIGMENT/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
1	73802	((APPARATUS OR DEVICE OR GADGET OR MACHINE OR APPLIANCE)/TI/AB/IW/TX AND (SIMULTANEOUS OR CONCURRENT)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (GRIND+ OR MILL+ OR GRIST OR POUND+)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (FLOAT+ OR FLOTA+)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX)

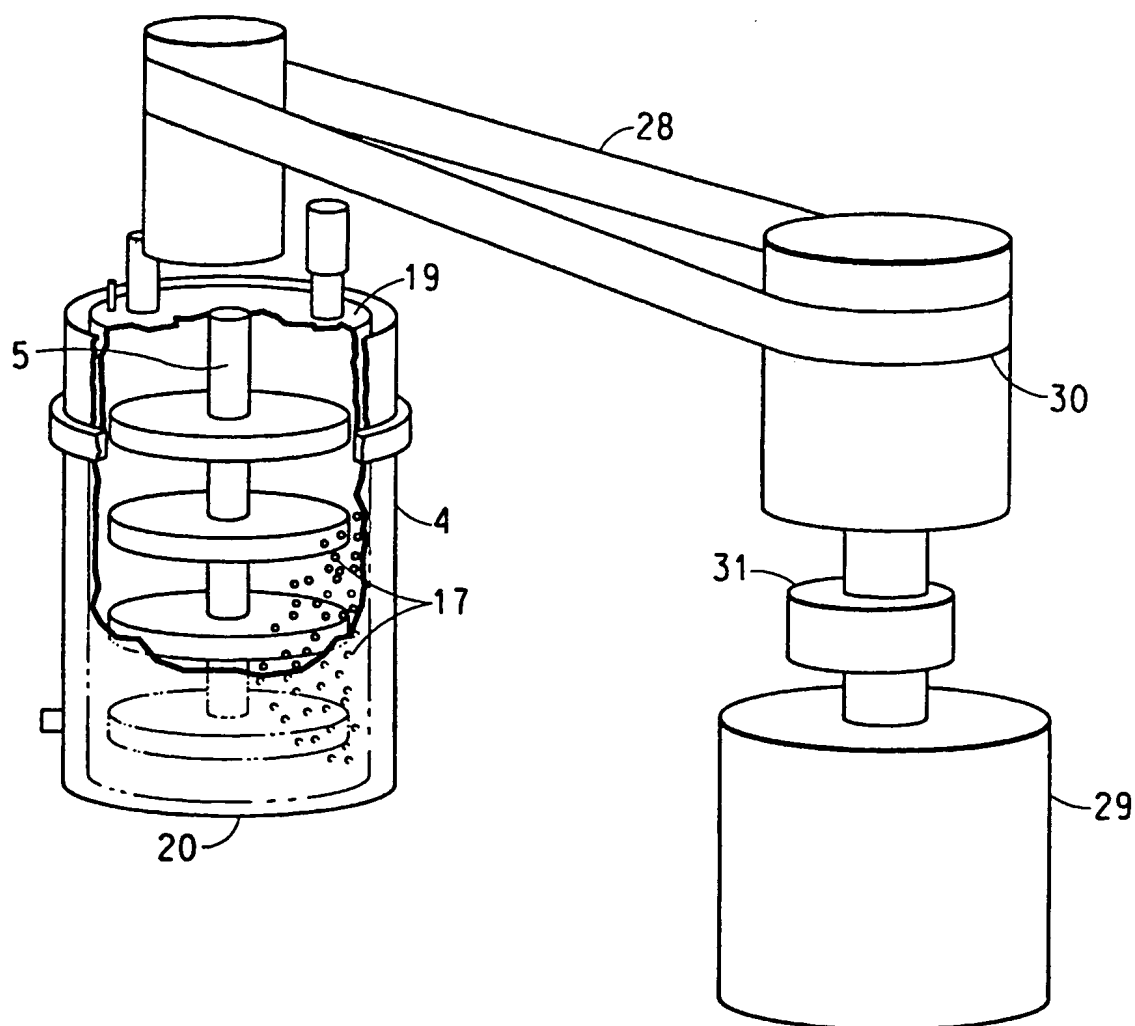
12 Documents

Publication numbers	Title	Current assignees
WO200294443 A2	High pressure media mill	DU PONT DE NEMOURS
WO9519846 A1	Zirconium silicate grinding medium	TRONOX PIGMENTS, ...
WO2010100794 A1	Method of treating surface of fine pigment particles	M TECHNOLOGIES
WO2009149298 A1	Upgraded combustion ash and its method of production	PROVECTUS ENGINEERING MATERIELS
FR2896171 A1	Process for manufacturing particles based on natural calcium carbonate and salts of acrylic acid-ethylene, suspensions and dry pigments obtained, and uses thereof	OMYA
NO9803312 D0	Use of a copolymer having surfactant structures as dispersing agent and/or grinding aid	COATEX
US20060278133 A1	Low weight and density fire-resistant gypsum panel	UNITED STATES GYPSUM (USG)
EP2194103 A1	Process for manufacturing calcium carbonate materials having a particle surface with improved adsorption properties	OMYA
US20090312460 A1	Copolymer synthesis process	CONSTRUCTION RESEARCH & TECHNOLOGY
DE102005036346 A1	Coated core-shell aggregates	HENKEL
WO201372054 A1	Amine adducts based on epoxy components	BYK CHEMIE
CA2748650 A1	Dispersion agent and method for its manufacture	EVONIK DEGUSSA

(EP1392440)

High pressure media mill

Images



Publication data including kind & date

WO02094443	A2	2002-11-28	WO200294443
AU2002303836	A1	2002-12-03	AU2002303836
WO02094443	A3	2003-03-13	WO200294443
KR20040002991	A	2004-01-07	KR20040002991
EP1392440	A2	2004-03-03	EP1392440
JP2004522579	A	2004-07-29	JP2004522579
CN1533304	A	2004-09-29	CN1533304
US20050001079	A1	2005-01-06	US20050001079
US7152819	B2	2006-12-26	US7152819



Abstract

(EP1392440)

This invention discloses a high pressure media **mill** (HPMM) and processes for use thereof: (a) adding **grinding** media and material to be **milled** to a high pressure media **mill**; (b) evacuating **mill** to produce a vacuum; (c) adding a supercritical fluid or volatile gas to said **mill**; (d) pressurizing and maintaining pressure in said **mill**; and (e) operating the **mill** so that product particles are reduced in size.

Inventors

FORD WILLIAM NORMAN

GOMMEREN ERIK H J C

ZHAO QUAN QIU

Latest standardized assignees - inventors removed

DU PONT DE NEMOURS

Family 2/12 - FAMPAT - ©Questel

Title

(EP-930098)

Zirconium silicate **grinding** medium**Publication data including kind & date**

WO9519846	A1	1995-07-27	WO9519846			
CA2158969	A1	1995-07-27	CA2158969			
AU1690095	A	1995-08-08	AU9516900			
FI954466	A	1995-09-21	FI9504466			
FI954466	A0	1995-09-21	FI9504466			
PL310446	A1	1995-12-11	PL95310446			
SK117895	A3	1996-01-10	SK9501178			
EP0690749	A1	1996-01-10	EP-690749			
CZ9502357	A3	1996-02-14	CZ9502357			
KR19960700819	A	1996-02-24	KR19960700819			
KR19967000819	A	1996-02-24	KR19967000819			
CN1122112	A	1996-05-08	CN1122112			
TW276208	B	1996-05-21	TW-276208			
JPH08506527	A	1996-07-16	JP08506527			
ZA9500590	B	1996-07-25	ZA9500590			
US5544817	A	1996-08-13	US5544817			
AU671248	B2	1996-08-15	AU-671248			
EP0690749	A4	1996-10-30	EP-690749			
MX9504066	A	1997-05-31	MX9504066			
BR9506238	A	1997-09-30	BR9506238			
BRPI9506238	A1	1997-09-30	BRPI9506238			
JP2693039	B2	1997-12-17	JP2693039			
RU2107548	C1	1998-03-27	RU2107548			
KR100164652	B1	1998-12-15	KR100164652			
KR0164652	B1	1998-12-15	KR100164652			
CZ284563	B6	1999-01-13	CZ-284563			
CN1042104	C	1999-02-17	CN1042104C			
BRPI9506238	B1	1999-07-13	BR9506238			
EP0930098	A1	1999-07-21	EP-930098			
PL176837	B1	1999-08-31	PL-176837			
EP0690749	B1	2000-03-29	EP-690749			
AT191160	T	2000-04-15	ATE191160			
DE69515935	D1	2000-05-04	DE69515935			
ES2143616	T3	2000-05-16	ES2143616			
CA2158969	C	2000-06-27	CA2158969			
DE69515935	T2	2000-08-17	DE69515935			
EP0930098	B1	2003-03-26	EP-930098			
AT235318	T	2003-04-15	ATE235318			
DE69530132	D1	2003-04-30	DE69530132			

[ES2190624](#)

T3 2003-08-01 ES2190624

[DE69530132](#)

T2 2004-01-08 DE69530132

**Abstract**

(EP-930098)

A **grinding** medium including naturally occurring zirconium silicate sand characterized by a density in the range of from about 4g/cc absolute to about 6g/cc absolute is provided. Also provided is a method for **milling** a powder which includes steps of forming a **milling** slurry including a naturally occurring zirconium silicate sand **grinding** medium having a density in the range of from about 4g/cc absolute to about 6g/cc absolute.

Inventors

BROWNBRIDGE THOMAS IAN

STORY PHILLIP M

Latest standardized assignees - inventors removed

TRONOX PIGMENTS

TRONOX F K A KERR MCGEE CHEMICAL

TRONOX WORLDWIDE

TRONOX

Family 3/12 - FAMPAT - ©Questel

Title

(EP2428536)

Method of treating surface of fine pigment particles

Images

thin film of the fluid to be treated (forced thin film) .Fine pigment particles are formed in this thin-film fluid (forced thin film) .The method is further characterized by modifying the surface of the formed fine pigment particles within the thin-film fluid (forced thin film).

Inventors

ENOMURA MASAKAZU

Latest standardized assignees - inventors removed

M TECHNOLOGIES

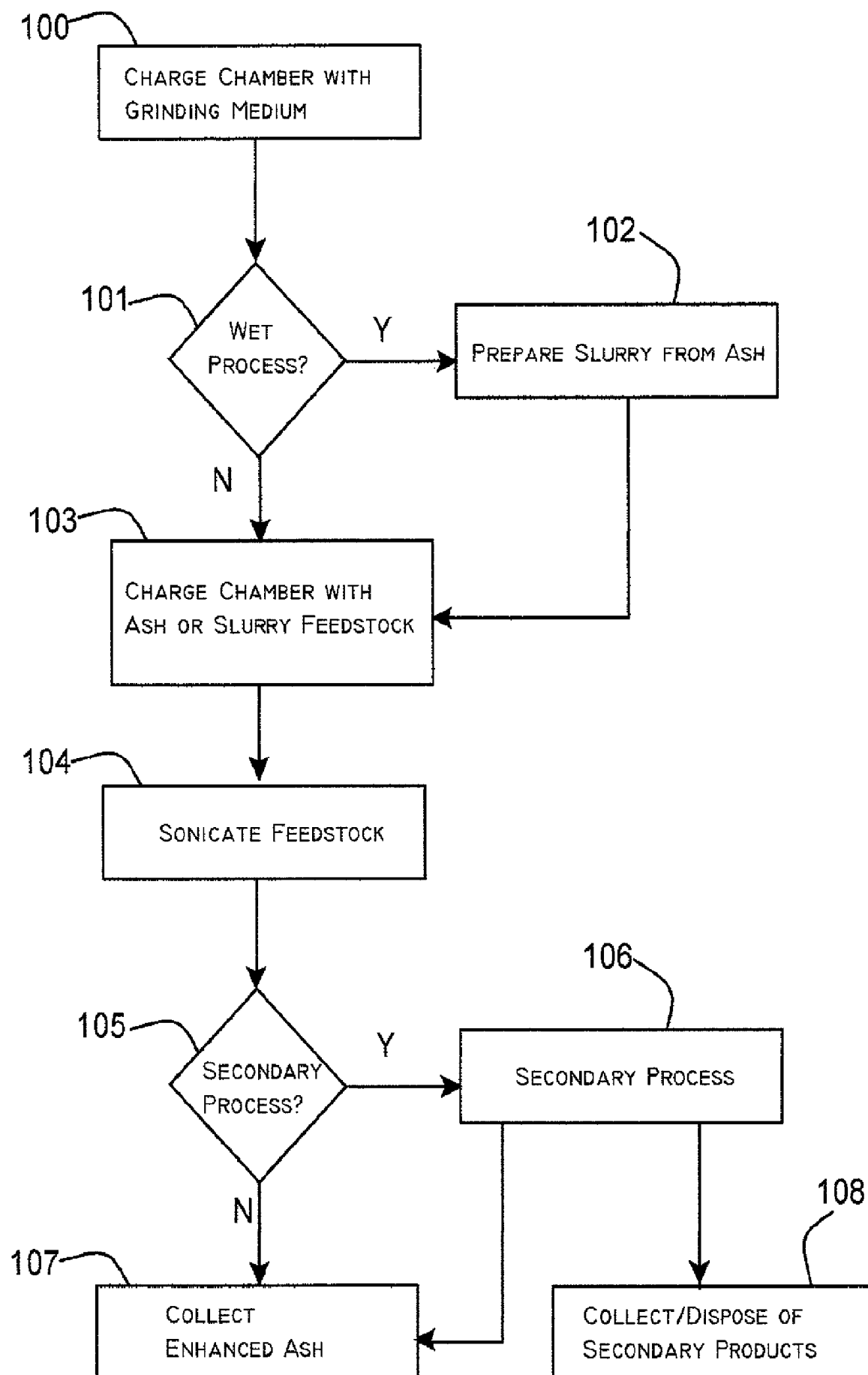
Family 4/12 - FAMPAT - ©Questel

Title

(EP2303461)

Upgraded combustion ash and its method of production

Images

**Publication data including kind & date**

WO2009149298	A1	2009-12-10	WO2009149298
AU2009256088	A1	2009-12-10	AU2009256088
TW201008649	A	2010-03-01	TW201008649



IN2605/MUMNP/2010	A	2011-03-18	IN2010MN02605				
EP2303461	A1	2011-04-06	EP2303461				
US20110120348	A1	2011-05-26	US20110120348				
KR20110056457	A	2011-05-30	KR20110056457				
CN102083540	A	2011-06-01	CN102083540				
ZA201100006	B	2011-10-26	ZA201100006				
JP2011529428	A	2011-12-08	JP2011529428				
US8876027	B2	2014-11-04	US8876027				
TWI477322	B	2015-03-21	TWI477322				
AU2009256088	B2	2016-01-07	AU2009256088				
EP2303461	A4	2017-04-19	EP2303461				
KR101821409	B1	2018-01-23	KR101821409				

Abstract

(EP2303461)

Described and claimed herein is a method of producing enhanced combustion ash for use in pozzolanic applications or cement clinker manufacture. The method employs a primary process in which wet or dry feedstock is pulverized with sonication using one or more **grinding** media having a maximum component size of about 2 mm. Alternatively, the media may have a true **grinding** medium volume to chamber volume ratio of at least 0.29. Also disclosed and claimed is an enhanced combustion ash produced by the method, whereby the enhanced combustion ash has one or more qualities that make it particularly suitable in pozzolanic applications or cement clinker manufacture.

Inventors

OEHR KLAUS

MCELROY ROD

KIKTAVY MICHAEL

Latest standardized assignees - inventors removed

PROVCTUS ENGINEERING MATERIELS

Family 5/12 - FAMPAT - ©Questel

Title

(EP1979420)

Process for manufacturing particles based on natural calcium carbonate and salts of acrylic acid-ethylene, suspensions and dry pigments obtained, and uses thereof

Images

温度 (℃)	共聚物 a) 粘度 (mPa. s)	共聚物 b) 粘度 (mPa. s)	共聚物 c) 粘度 (mPa. s)
200	24, 300	5, 200	21, 700
190	37, 300	7, 850	33, 400
180	56, 300	11. 600	50, 100
170	88, 300	17, 300	74, 500
160	138, 000	25, 100	109, 000
150	225, 000	43, 000	190, 000

Publication data including kind & date

FR2896171	A1	2007-07-20	FR2896171				
WO2007083208	A1	2007-07-26	WO200783208				
CA2636474	A1	2007-07-26	CA2636474				
AU2007206647	A1	2007-07-26	AU2007206647				
TW200745273							

	A	2007-12-16	TW200745273				
AR059041	A1	2008-03-12	AR--59041				
WO2007083208	A8	2008-09-18	WO200783208				
NO20083428	L	2008-10-07	NO20083428				
KR20080090514	A	2008-10-08	KR20080090514				
IN1553/MUMNP/2008	A	2008-10-10	IN2008MN01553				
EP1979420	A1	2008-10-15	EP1979420				
IL192659	A	2009-02-11	IL-192659				
VN19167	A	2009-02-25	VN--19167				
CN101405350	A	2009-04-08	CN101405350				
JP2009523882	A	2009-06-25	JP2009523882				
ZA200806109	B	2009-11-25	ZA200806109				
RU2008133976	A	2010-02-27	RU2008133976				
CO6141471	A2	2010-03-19	CO6141471				
US20100222484	A1	2010-09-02	US20100222484				
FR2896171	B1	2010-12-17	FR2896171				
BRPI0706680	A2	2011-04-05	BR200706680				
NZ569705	A	2011-08-26	NZ-569705				
RU2433153	C2	2011-11-10	RU2433153				
IN251082	B	2012-02-24	IN-251082				
AU2007206647	B2	2012-09-27	AU2007206647				
UA100494	C2	2013-01-10	UA-100494				
EP1979420	B1	2013-06-26	EP1979420				
EG26372	A	2013-09-09	EG--26372				
DK1979420	T3	2013-09-30	DK1979420T				
PT1979420	E	2013-10-02	PT1979420				
ES2428542	T3	2013-11-08	ES2428542				
SI1979420	T1	2013-11-29	SI1979420T				
KR101339488	B1	2013-12-10	KR101339488				
TWI421311	B	2014-01-01	TWI421311				
JP5384116	B2	2014-01-08	JP5384116				
HK1124357	A1	2014-03-07	HK1124357				
CN104312210	A	2015-01-28	CN104312210				
US20150284530	A1	2015-10-08	US20150284530				
CA2636474	C	2015-11-17	CA2636474				
IL192659	B	2016-03-31	IL-192659				
BRPI0706680	B1	2016-10-04	BR200706680				
US20170015859	A1	2017-01-19	US20170015859				
NO341106	B1	2017-08-28	NO-341106				
US9944815	B2	2018-04-17	US9944815				
US10011732	B2	2018-07-03	US10011732				
US10011731	B2	2018-07-03	US10011731				

Abstract

(EP1979420)

The present invention consists in a process for preparing at least one mineral material and/or at least one pigment, comprising a calcium carbonate made both partially organophilic and partially hydrophilic, wherein the carbonate is mixed and/or ground and/or concentrated in aqueous medium in the presence of at least one salt of ethylene acrylic acid, a dispersant and/or **grinding** aid being introduced before and/or during this treatment step. Another subject of the invention

lies in the resulting dispersions and aqueous suspensions of calcium carbonate. They may be dried, and the dry pigments obtained likewise constitute a subject of the invention. The use of these aqueous dispersions and of these dry pigments in the field of plastics, paints and paper constitutes another subject of the invention.

Inventors

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GANE PATRICK

HUNZIKER PHILIPP

BURKHALTER RENE

KARTH BEAT

Latest standardized assignees - inventors removed

OMYA

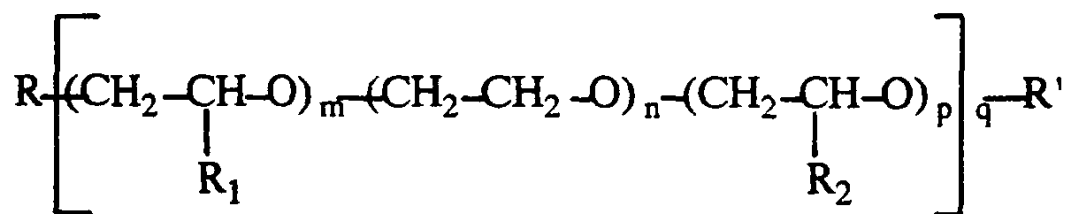
Family 6/12 - FAMPAT - ©Questel

Title

(EP-892020)

Use of a copolymer having surfactant structures as dispersing agent and/or grinding aid

Images



Publication data including kind & date

NO983312	D0	1998-07-17	NO9803312				
HU9801623	D0	1998-09-28	HU9801623				
CA2240854	A1	1999-01-18	CA2240854				
NO983312	A	1999-01-19	NO9803312				
EP0892020	A1	1999-01-20	EP-892020				
ID20607	A	1999-01-21	ID--20607				
FR2766106	A1	1999-01-22	FR2766106				
AU7730798	A	1999-01-28	AU9877307				
PL327526	A1	1999-02-01	PL98327526				
CZ9802242	A3	1999-02-17	CZ9802242				
KR19990013935	A	1999-02-25	KR19990013935				
CN1210752	A	1999-03-17	CN1210752				
ZA9806371	B	1999-04-20	ZA9806371				
JPH11104479	A	1999-04-20	JP11104479				
MX9805801	A	1999-06-01	MX9805801				
BR9802509	A	1999-09-14	BR9802509				
TR199801356	A2	1999-10-21	TR199801356				
TR199801356	A3	1999-10-21	TR199801356				
NZ330899	A	1999-11-29	NZ-330899				
SK97098	A3	2000-02-14	SK9800970				
US6093764	A	2000-07-25	US6093764				
HU9801623	A2	2000-11-28	HU209801623				
HU9801623	A3	2000-12-28	HU9801623				
FR2766106	B1	2001-09-07	FR2766106				

BRPI9802509	A1	2002-02-19	BR199802509				
MX207516	B	2002-04-18	MX-207516				
AU746264	B2	2002-04-18	AU-746264				
CA2240854	C	2002-12-10	CA2240854				
IN190489	B	2003-08-02	IN-190489				
TWI225871	B	2005-01-01	TWI225871				
PL190384	B1	2005-12-30	PL-190384				
BRPI9802509	B1	2006-02-14	BR199802509				
MY122312	A	2006-04-29	MY-122312				
EP0892020	B1	2006-07-12	EP-892020				
AT332941	T	2006-08-15	ATE332941				
DE69835187	D1	2006-08-24	DE69835187				
PT892020	E	2006-11-30	PT-892020				
ES2268759	T3	2007-03-16	ES2268759				
NO323738	B1	2007-07-02	NO-323738				
DE69835187	T2	2007-07-05	DE69835187				
CZ298712	B6	2008-01-02	CZ-298712				
SK286177	B6	2008-04-07	SK-286177				

Abstract

(EP-892020)

Use of a copolymer as a dispersion and/or crushing agent for aqueous suspension of mineral materials, namely those materials with hydrophilic or hydrophobic properties; the copolymer comprising: (a) (i) monoacids e.g. (meth)acrylic, (iso)crotonic, and cinnamic; (ii) diacids e.g. fumaric and maleic; (iii) acid anhydrides e.g. maleic anhydride; and (iv) diacid hemiesters such as 1-4C monoesters of maleic acid; (b) optionally at least one unsaturated monomer with a sulphonic group e.g. sodium methallyl-sulphonate or styrene sulphonic acid; or a phosphoric group e.g. propylene glycol (meth)acrylate phosphate; (c) optionally at least one unsaturated monomer without a carboxylic group e.g. (meth)acrylic esters, (meth)acrylonitrile, styrene, (meth)acrylamide; and (d) at least one unsaturated oxyalkyl monomer with terminal hydrophobic chain of general formula: $R-\ddot{A}-((CH_2-CH(R_1)-O)_m-CH_2-CH_2-O)_n-CH_2-CH(R_2)-Op\ddot{U}<SB>q-R'$ (where: m, n, p ≤ 100 ; q is number such that $0 \leq q \times (n + m + p) \leq 100$; R₁, R₂ = H, methyl, or ethyl; R = polymerisable unsaturated radical belonging to group of esters including (meth)acrylic, crotonic and vinylphthalic, as well as unsaturated urethanes such as (meth)acrylurethane, or allyl-urethane; and R' = hydrophobic radical such as tristyrylphenyl, or 8-30C alkyl, aryl, alkylaryl, arylalkyl; or, when R = urethane, R' = 8C dialkyl, or, preferably, when R = unsaturated polymerisable radical, R' $\geq 22C$ dialkyl amine; total of (a)+(b)+(c)+(d) = 100 pts.; and suspension has specific viscosity ≤ 25 .)

Inventors

MONGOIN JACQUES

EGRAZ JEAN-BERNARD

SUAU JEAN-MARC

JACQUEMET CHRISTIAN

Latest standardized assignees - inventors removed

COATEX

Family 7/12 - FAMPAT - ©Questel

Title

(EP3147268)

Low weight and density fire-resistant gypsum panel

Images

CN101189126	A	2008-05-28	CN101189126				
WO2008063295	A2	2008-05-29	WO200863295				
CA2668086	A1	2008-05-29	CA2668086				
AU2007322350	A1	2008-05-29	AU2007322350				
CN101203345	A	2008-06-18	CN101203345				
TW200829428	A	2008-07-16	TW200829428				
VN17662	A	2008-08-25	VN--17662				
TW200835663	A	2008-09-01	TW200835663				
ZA200709399	B	2008-10-29	ZA200709399				
ZA200709397	B	2008-10-29	ZA200709397				
WO2008063295	A3	2008-11-27	WO200863295				
JP2008543705	A	2008-12-04	JP2008543705				
JP2008543704	A	2008-12-04	JP2008543704				
AR063772	A1	2009-02-18	AR--63772				
WO2009045948	A1	2009-04-09	WO200945948				
CA2700401	A1	2009-04-09	CA2700401				
WO2009058558	A1	2009-05-07	WO200958558				
CA2703358	A1	2009-05-07	CA2703358				
TW200920712	A	2009-05-16	TW200920712				
IN1590/KOLNP/2009	A	2009-05-29	IN2009KN01590				
TW200922775	A	2009-06-01	TW200922775				
IN1698/KOLNP/2009	A	2009-06-12	IN2009KN01698				
KR20090061077	A	2009-06-15	KR20090061077				
RU2007145441	A	2009-06-20	RU2007145441				
RU2007145428	A	2009-07-20	RU2007145428				
EP2081763	A1	2009-07-29	EP2081763				
HRP20090214	A2	2009-07-31	HRP20090214				
VN20648	A	2009-08-25	VN--20648				
CN101528457	A	2009-09-09	CN101528457				
EP2101993	A2	2009-09-23	EP2101993				
CN101563220	A	2009-10-21	CN101563220				
MX2009004680	A	2009-11-18	MX2009004680				
AR068668	A1	2009-11-25	AR--68668				
KR20090125746	A	2009-12-07	KR20090125746				
IL197905	A	2009-12-24	IL-197905				
AR069160	A1	2009-12-30	AR--69160				
IL198498	A	2010-02-17	IL-198498				
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JP2010509162	A	2010-03-25	JP2010509162				
MX2010003007	A	2010-03-31	MX2010003007				
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US7731794	B2	2010-06-08	US7731794				
US20100139528	A1	2010-06-10	US20100139528				
US7736720	B2	2010-06-15	US7736720				
CO6170347	A2	2010-06-18	CO6170347				
CO6180458	A2	2010-07-19	CO6180458				
EP2209617	A1	2010-07-28	EP2209617				
BRPI0610882	A2	2010-08-03	BR200610882				

EP2212105	A1	2010-08-04	EP2212105				
UA91856	C2	2010-09-10	UA--91856				
US20100239886	A1	2010-09-23	US20100239886				
CN101848806	A	2010-09-29	CN101848806				
CN101855067	A	2010-10-06	CN101855067				
BRPI0612051	A2	2010-10-13	BR200612051				
IN2386/CHENP/2010	A	2010-10-15	IN2010CN02386				
RU2009114803	A	2010-11-10	RU2009114803				
IN3083/CHENP/2010	A	2010-11-12	IN2010CN03083				
RU2009119413	A	2010-12-10	RU2009119413				
AR074030	A1	2010-12-22	AR--74030				
JP2010540400	A	2010-12-24	JP2010540400				
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EP2101993	A4	2011-01-26	EP2101993				
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CA2828277	A1	2012-08-30	CA2828277				
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TW201237241	A	2012-09-16	TW201237241				
US20120251813	A1	2012-10-04	US20120251813				
BRPI0715309	A1	2012-10-30	BR200715309				
CN102776978	A	2012-11-14	CN102776978				
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KR20130041356	A	2013-04-24	KR20130041356				
US20130101838	A1	2013-04-25	US20130101838				
MY148453	A	2013-04-30	MY-148453				
CN103104064	A	2013-05-15	CN103104064				

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JP2013209287	A	2013-10-10	JP2013209287				
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EP2081763	A4	2014-03-19	EP2081763				
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EP1893374	A4	2016-12-14	EP1893374				
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UA114474	C2	2017-06-26	UA-114474				
IL237105	B	2017-06-29	IL-237105				
IL236787	B	2017-06-29	IL-236787				
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JP6196477	B2	2017-09-13	JP6196477				
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US9840066	B2	2017-12-12	US9840066				
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KR101833870	B1	2018-03-05	KR101833870				
IN295272	B	2018-03-28	IN-295272				
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TWI623419	B	2018-05-11	TWI623419				
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EP2678290	B1	2018-08-29	EP2678290				
JP6416074	B2	2018-10-31	JP6416074				
TWI640674	B	2018-11-11	TWI640674				
JP6427529	B2	2018-11-21	JP6427529				

Abstract

(EP3147268)

An about 5/8 inch to 3/4 inch thick low weight, low density gypsum panel with fire resistance capabilities sufficient to provide a Thermal Insulation Index of at least 17.0 minutes which when subjected to U419 test procedures will not fail for at least 30 minutes and, in selected embodiments, also has outstanding water resistance properties.

Inventors

YU QIANG

SONG WEIXIN DAVID

SIRNIVAS VEERAMASUNENI

LUAN WENQI

Latest standardized assignees - inventors removed

UNITED STATES GYPSUM (USG)

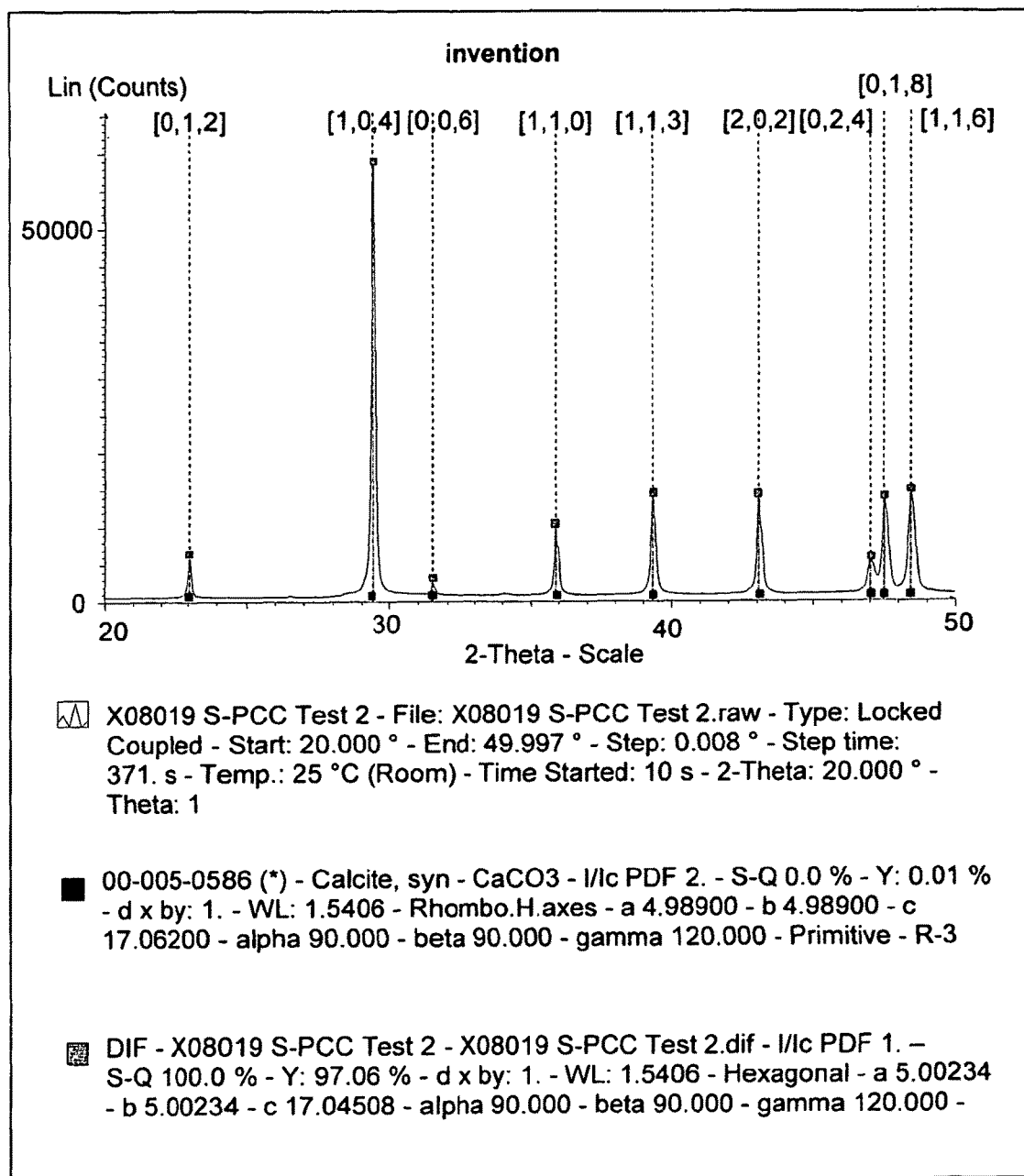
Family 8/12 - FAMPAT - ©Questel

Title

(EP2373746)

Process for manufacturing calcium carbonate materials having a particle surface with improved adsorption properties

Images



Publication data including kind & date

EP2194103	A1	2010-06-09	EP2194103
WO2010063757	A1	2010-06-10	WO201063757
CA2744927	A1	2010-06-10	CA2744927
TW201030105	A	2010-08-16	TW201030105
MX2011005665	A	2011-06-16	MX2011005665
KR20110100262	A	2011-09-09	KR20110100262



EP2373746	A1	2011-10-12	EP2373746				
CN102264847	A	2011-11-30	CN102264847				
IN1130/MUMNP/2011	A	2011-12-02	IN2011MN01130				
US20110297043	A1	2011-12-08	US20110297043				
JP2012511073	A	2012-05-17	JP2012511073				
RU2011127182	A	2013-01-10	RU2011127182				
EP2373746	B1	2013-06-19	EP2373746				
US20130237657	A1	2013-09-12	US20130237657				
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ES2427867	T3	2013-11-04	ES2427867				
HRP20130818	T1	2013-11-08	HRP20130818				
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JP2016176054	A	2016-10-06	JP2016176054				
KR101706396	B1	2017-02-13	KR101706396				
JP6114252	B2	2017-04-12	JP6114252				
US9879139	B2	2018-01-30	US9879139				
US9896567	B2	2018-02-20	US9896567				
CA2744927	C	2018-03-27	CA2744927				

Abstract

(EP2373746)

The invention relates to a process for manufacturing calcium carbonate materials having a particle surface with improved adsorption properties of dispersant, using at least one lithium ion-containing compound, the calcium carbonate material obtained by this process, the use of the calcium carbonate materials in paper, paints and plastics, as well as the use of the lithium ion-containing compounds in the manufacturing process.

Inventors

GANE PATRICK A C

BURI MATTHIAS

KARTH BEAT

PUDACK CLAUDIA

Latest standardized assignees - inventors removed

OMYA

Family 9/12 - FAMPAT - ©Questel

Title

(EP2291410)

Copolymer synthesis process

Images

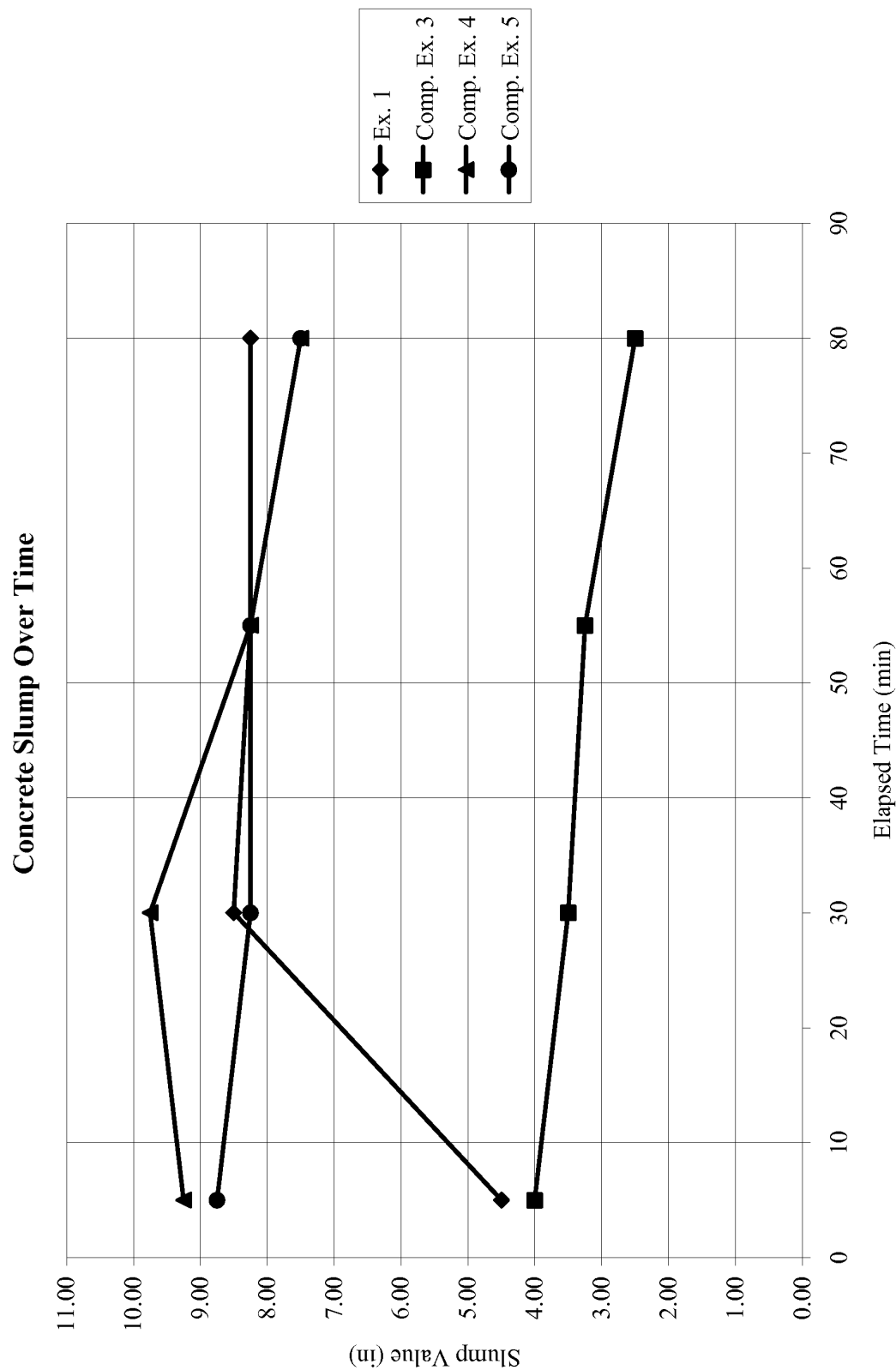
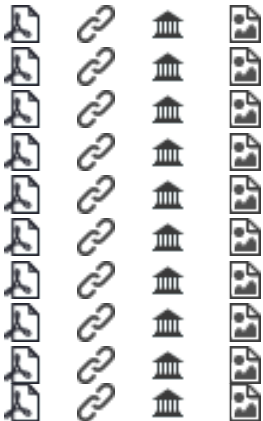


Fig. 1

Publication data including kind & date

US20090312460	A1	2009-12-17	US20090312460
US20090312504	A1	2009-12-17	US20090312504
WO2009153202	A1	2009-12-23	WO2009153202
WO2009153203	A1	2009-12-23	WO2009153203
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TW201004980	A	2010-02-01	TW201004980



TW201004891	A	2010-02-01	TW201004891				
EP2291410	A1	2011-03-09	EP2291410				
EP2291336	A1	2011-03-09	EP2291336				
WO2009153203	A9	2011-04-21	WO2009153203				
US7973110	B2	2011-07-05	US7973110				
CN102124035	A	2011-07-13	CN102124035				
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BRPI0915306	A2	2011-08-30	BR200915306				
JP2011524330	A	2011-09-01	JP2011524330				
JP2011525548	A	2011-09-22	JP2011525548				
IN0200/CHENP/2011	A	2011-11-04	IN2011CN00200				
IN0159/CHENP/2011	A	2011-12-02	IN2011CN00159				
US20110313112	A1	2011-12-22	US20110313112				
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RU2011101501	A	2012-07-27	RU2011101501				
US8242218	B2	2012-08-14	US8242218				
CN102124035	B	2013-07-10	CN102124035B				
AU2009259428	B2	2013-08-22	AU2009259428				
US8519029	B2	2013-08-27	US8519029				
EP2291410	B1	2013-11-13	EP2291410				
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AU2009259427	B2	2014-06-05	AU2009259427				
RU2526461	C2	2014-08-20	RU2526461				
AU2014213572	A1	2014-09-04	AU2014213572				
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CN102123965	B	2014-10-22	CN102123965B				
TWI461444	B	2014-11-21	TWI461444				
JP5766113	B2	2015-08-19	JP5766113				
JP5787753	B2	2015-09-30	JP5787753				
AU2014213572	B2	2015-11-12	AU2014213572				
CA2727659	C	2016-03-22	CA2727659				
CA2727656	C	2016-08-30	CA2727656				
EP2291336	B1	2016-11-16	EP2291336				
IN289589	B	2017-11-17	IN-289589				
IN293336	B	2018-02-24	IN-293336				
BRPI0915306	A1	2018-08-28	BRPI0915306				

Abstract

(EP2291410)

Preparing a non-ionic copolymer having a hydrolysable monomer residue and a polyether macromonomer residue in a semicontinuous mode in a polymerization reactor associated with a metering **device**, including introducing polyether macromonomer and water into the reactor, wherein hydrolysable monomer which is added thereto forms a polymerization reaction mixture; introducing hydrolysable monomer into the metering **device**; adding hydrolysable monomer into the reactor from the metering **device**; passing a free radical polymerization initiator into the reactor before and/or during the addition of the hydrolysable monomer, the hydrolysable monomer and the polyether macromonomer reacting by free radical polymerization to form the non-ionic copolymer; and, subjecting the reaction mixture to polymerization while an addition rate of the hydrolysable monomer and/or at least a component of the polymerization initiator is varied stepwise or continuously.No monomer is introduced to incorporate ionic cement binding sites into the non-ionic copolymer.

Inventors

LORENZ KLAUS

KRAUS ALEXANDER

WIMMER BARBARA

WAGNER PETRA

SCHOLZ CHRISTIAN

BICHLER MANFRED

Latest standardized assignees - inventors removed

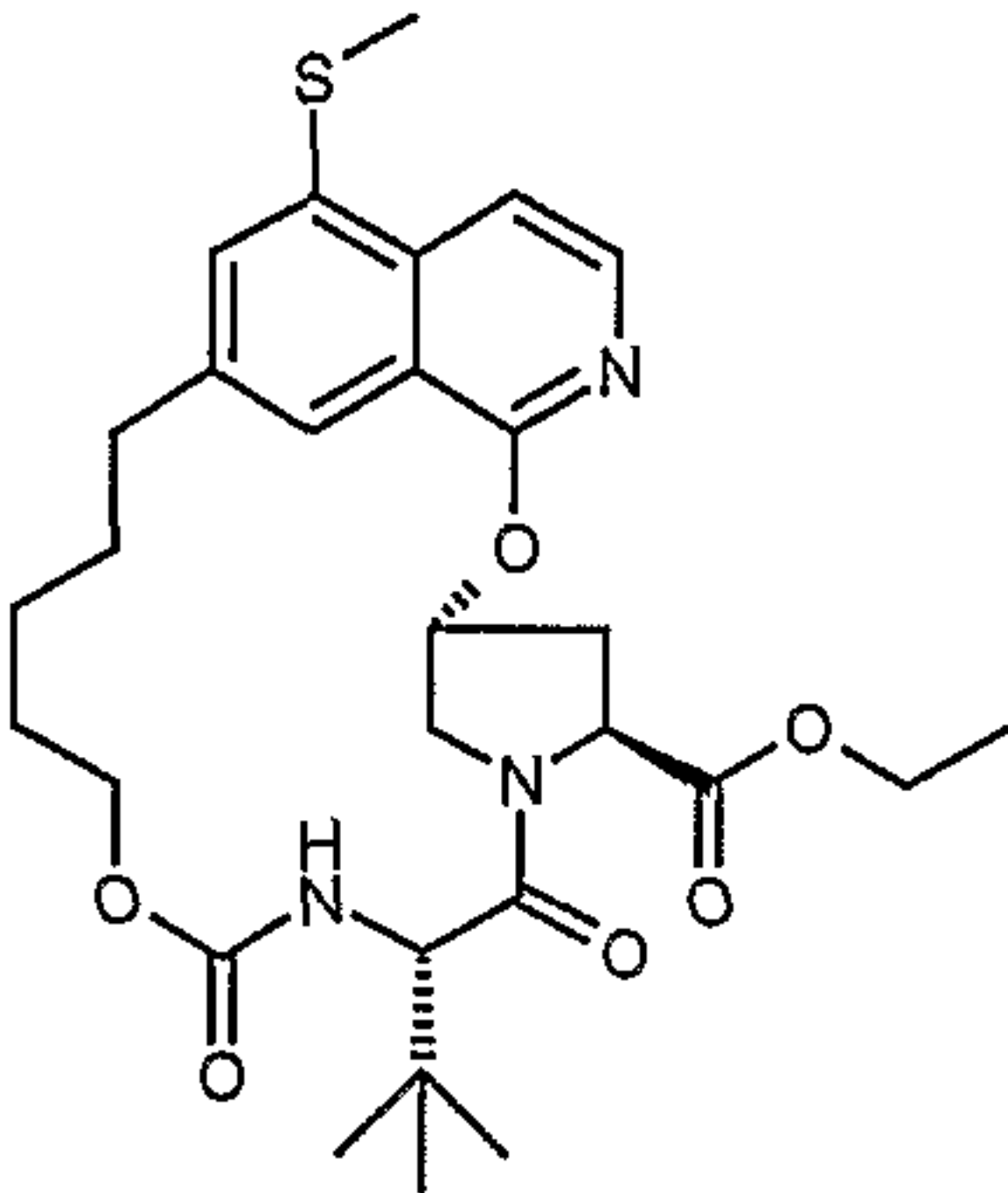
CONSTRUCTION RESEARCH & TECHNOLOGY

Family 10/12 - FAMPAT - ©Questel

Title

(EP1917344)

Coated core-shell aggregates

Images

Publication data including kind & date

DE102005036346	A1	2007-02-01	DE102005036346
WO2007014601	A1	2007-02-08	WO200714601
EP1917344	A1	2008-05-07	EP1917344
JP2009503156	A	2009-01-29	JP2009503156

**Abstract**

(EP1917344)

A description is given of coated aggregates having a core-shell structure and of a method of constructing such aggregates. The aggregates allow fine-tunable release of active ingredient. They can be used with advantage in particular in the detergents sector. The method also allows conventional pulverulent and/or finely particulate multi-component mixtures from the detergents sector to be converted into core-shell aggregates provided with a coating; in other words, it allows the upgrading of conventional laundry detergents. The method involves charging a mixer/granulator with a particulate material ("initial-charge particles") which is granulated/agglomerated with the addition of granulation aid and of further particulate material ("particles for addition"), the initial-charge particles preferably having a very substantially uniform size, and the particles for addition having a diameter d_{50} which is not more than a tenth of the diameter d_{50} of the initial-charge particles but is greater than $2\text{ }\mu\text{m}$. Even after long storage, the coated aggregates are readily pourable and free-flowing, and do not undergo caking.

Inventors

RAEHSE WILFRIED

Latest standardized assignees - inventors removed

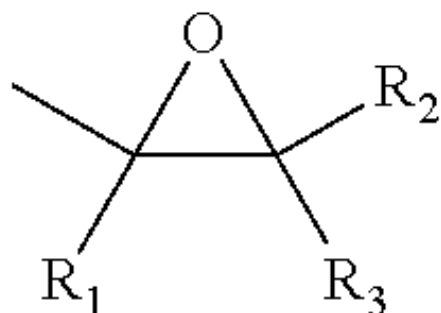
HENKEL

Family 11/12 - FAMPAT - ©Questel

Title

(EP2780391)

Amine adducts based on epoxy components

Images

(I)

Publication data including kind & date

WO2013072054	A1	2013-05-23	WO201372054
WO2013072053	A1	2013-05-23	WO201372053
WO2013072052	A1	2013-05-23	WO201372052
WO2013072054	A8	2013-08-29	WO201372054
KR20140094618	A	2014-07-30	KR20140094618
KR20140097388	A	2014-08-06	KR20140097388
CN104053695	A	2014-09-17	CN104053695
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EP2780391	A1	2014-09-24	EP2780391
EP2780389	A1	2014-09-24	EP2780389
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US20140312280	A1	2014-10-23	US20140312280				
JP2014533749	A	2014-12-15	JP2014533749				
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CN104080830	B	2016-05-18	CN104080830B				
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US9574121	B2	2017-02-21	US9574121				
US9598618	B2	2017-03-21	US9598618				
US9752067	B2	2017-09-05	US9752067				
US20170335154	A1	2017-11-23	US20170335154				

Abstract

(EP2780391)

The invention relates to a process for preparing an amine adduct, in which a polyamine component (A), a polyester component (B) and a hydrocarbon component (C) are reacted. The amine adduct is particularly useful as wetting agent and dispersant, in particular for surface coating and plastics applications.

Inventors

PRITSCHINS WOLFGANG

OMEIS JÜRGEN

MÖSSMER STEFAN

ESSER ANDREA

ROCH MONIKA

Latest standardized assignees - inventors removed

BYK CHEMIE

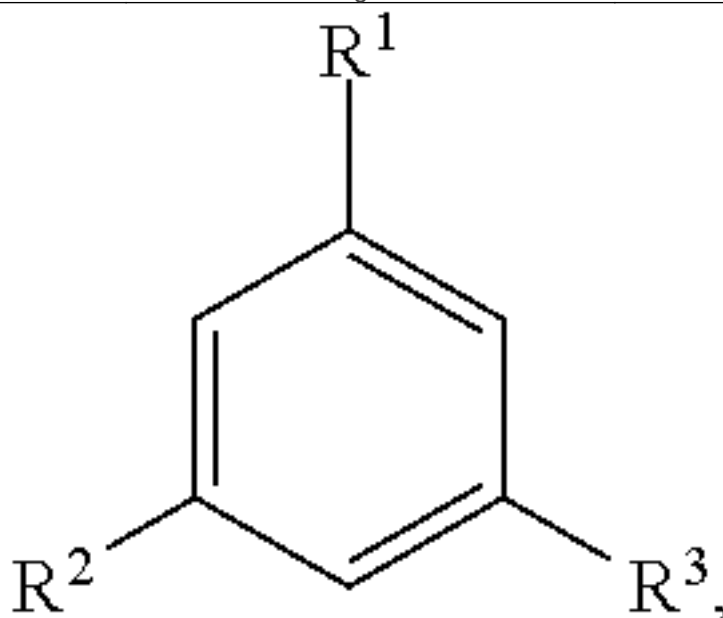
Family 12/12 - FAMPAT - ©Questel

Title

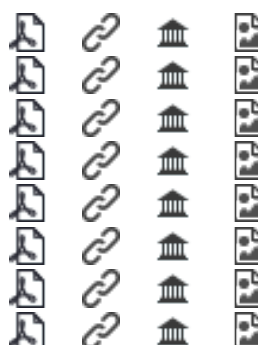
(EP2418234)

Dispersion agent and method for its manufacture

Images

**Publication data including kind & date**

CA2748650	A1	2012-02-10	CA2748650
EP2418234	A1	2012-02-15	EP2418234
US20120037036	A1	2012-02-16	US20120037036
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JP2012041341	A	2012-03-01	JP2012041341
CN102399362	A	2012-04-04	CN102399362
EP2418234	B1	2013-03-27	EP2418234
JP5969181	B2	2016-08-17	JP5969181

**Abstract**

(EP2418234)

Phosphoric acid ester compounds (I) that are liquid at 20[deg] C and at a pressure of 101325 Pa, or their liquid mixtures, are new. Phosphoric acid ester compounds of formula $([R-O(SO) a(EO) b(CH_2CHCH_3O) c(BO) d] x[PO-(OH)_{3-x}] y-(R_4) z)$ (I) that are liquid at 20[deg] C and at a pressure of 101325 Pa, or their liquid mixtures, are new. R : substituted phenyl group of formula (a1); R1 : bond for unit $-O(SO) a(EO) b(CH_2CHCH_3O) c(BO) d$; R2 : H or $-O(SO) a(EO) b(CH_2CHCH_3O) c(BO) d-[PO-(OH)_{2-x_1(R_5) x_1}] y_1-R_4 z_1$; R3 : optionally saturated aliphatic hydrocarbon with 15 C and 25-31 H; R4 : H, M +> or 1-3C-alkyl; R5 : organic residue; R6 : H or M +>; M +> : metal- or semi metal-cation; SO : styrene oxide; EO : ethylene oxide; BO : butylene oxide; a, d : 0-3; b : 0-100, preferably at least 1; c : 0-20; x : 1-3; y, z, y1, z1 : 0 or 1; and x1 : 0-2. Provided that: y + z is 1 when z and x are 1; y1 + z1 is 1 when z1 and x1 are 1; b is 1-12, preferably 6-10 when a, c, d are 0; when c or d is not equal to 0 then the other indices of a-d are also not equal to 0; and the sum a + b + c + d is greater than 3. Independent claims are included for: (1) the preparation of (I); and (2) composition comprising (I). [Image].

Inventors

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 KLEINSTEINBERG FRANK
 MERGENTHALER JOCHEN
 REDEKER STEFANIE
 CHRISTOFZIK ANJA
 BROETZMANN ANDRE
 FAVRESSE PHILIPPE
 GLOS MARTIN
 SCHUBERT FRANK DR

Latest standardized assignees - inventors removed

EVONIK DEGUSSA