

Search history

Search 1: TAC=(accelerator AND setting AND powder AND calcium nitrate) (Results 10)
Search 2: TAC=(accelerator AND setting AND powder AND calcium nitrate) and IC=(C04B22/08) (Results 7)
Search 3: pd<20153004 (Results 1000000)
Search 4: pn= 2 and 3 (Results 3)

1) Family number: 59232032 (US2016280597A)

© PatBase

Title: SETTING ACCELERATOR FOR A DRY MORTAR BLEND, PROCESS FOR PRODUCING SUCH A SETTING ACCELERATOR, A DRY MORTAR BLEND AND A MORTAR PASTE

Abstract: The invention relates to a setting accelerator for a dry mortar blend, the setting accelerator being in the form of a powder comprising calcium nitrate and having a water content between 0.1 percent and 20 percent. The invention furthermore relates to a process for producing such a setting accelerator, wherein either prills and/or granules comprising calcium nitrate and a different nitrate salt are processed forming a powder comprising calcium nitrate and the different nitrate salt and having a water content of higher than 5 percent and lower than 20 percent, either an aqueous solution at least comprising dissolved calcium nitrate is spray dried at a temperature between 150 degrees centigrade and 250 degrees centigrade, forming a powder comprising at least calcium nitrate and having a water content between 0.1 percent and 20 percent, the powder serving as the setting accelerator. The invention also relates to a dry mortar blend comprising at least a cement, sand and a setting accelerator according to the invention and to a mortar paste comprising the dry mortar blend according to the invention which is mixed with water.

Classifications:

International (IPC 8-9): C01F11/36 C04B22/08 C04B28/02

C04B28/04 C04B40/00 (Advanced/Invention);

C04B103/12 (Advanced/Non-invention);

C01F11/00 C04B22/00 C04B28/00 (Core/Invention)

CPC: C01F11/36 C04B28/04 C04B22/085 C04B28/02 C04B40/0042

C04B2103/12 C04B20/0076 C04B40/0608 C04B20/026 C04B20/04

US: 1/1 106/737

PatBase - US2016280597_AA

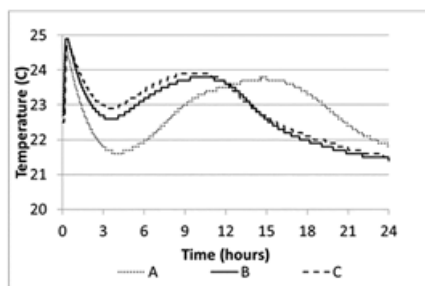


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AR098305 AA	20160526	AR2014P104145	20141104
BR112016009903 A2	20170801	BR20161109903	20141104
CY1119724 T1	20180627	CY20171101184T	20171113
DE602014013619 D1	20171005	DE201460013619T	20141104
DK3066059 T3	20171127	DK20140793128T	20141104
EP3066059 A1	20160914	EP20140793128	20141104
EP3066059 B1	20170823	EP20140793128	20141104
ES2643079 T3	20171121	ES20140793128T	20141104
HR20171664 T1	20171215	HR20170001664	20171031
HU037351 T2	20180828	HU20140793128T	20141104
LT3066059 T	20171110	LT20140793128T	20141104
MK8235 T1	20180630	MK20170000735T	20170927
MX2016005752 A1	20160819	MX20160005752	20141104
MX359772 B	20181010	MX20160005752	20141104
NO20131471 A	20150506	NO20130001471	20131105
PT3066059 T	20171009	PT20140793128T	20141104
RS56560 B1	20180228	RS20170001137	20141104
SI3066059 T1	20171030	SI20140030357T	20141104
TR201716969 T4	20171221	TR20170016969T	20141104
US2016280597 AA	20160929	US20140033956	20141104
US9611176 BB	20170404	US20140033956	20141104
WO15067588 A1	20150514	WO2014EP73646	20141104

Priority:

NO20130001471 20131105 EP20140793128 20141104 WO2014EP73646 20141104

Probable Assignee: YARA INT ASA

Assignee(s): (std): YARA INT ASA

Inventor(s): (std): THOMMESEN HILDE BREKKE DAHL ; ENGESVEEN BJORN HELGE ; THOMMESSEN HILDE BREKKE DAHI ; HILDE BREKKE DAHL THOMMESEN ; BJORN HELGE ENGESVEEN ; WOLFRAM FRANKE ; ANNE METTE LANGHOLM ; THOMMESEN HILDE ; LANGHOLM ANNE ; ENGESVEEN BJORN ; ENGESVEEN BJOERN ; FRANKE WOLFRAM ; LANGHOLM ANNE METTE

Inventor(s): ENGESVEEN BJOERN HELGE ; BJOERN HELGE ENGESVEEN

Agent(s): PAPPART KRIS; VALLEJO JUAN PEDRO; ERKAN SEVINC; AMSTER ROTHSTEIN AND EBENSTEIN LLP; ONSAGERS AS

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

2) Family number: 29539624 (US6641658B)

© PatBase

Title: RAPID SETTING CEMENTITIOUS COMPOSITION

Abstract: A rapid setting cementitious composition useful for making cement boards employs an insoluble form of anhydrous calcium sulfate (anhydrite) to accelerate setting and to permit reducing the amount of high alumina cement usage.

Classifications:

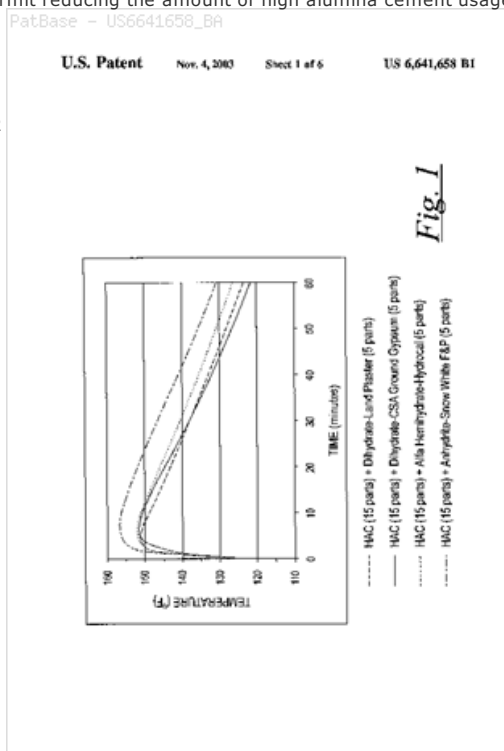
International (IPC 8-9): C04B C04B11/05 C04B14/04 C04B14/08 C04B14/10 C04B14/16 C04B14/18 C04B16/04 C04B16/08 C04B18/08 C04B18/10 C04B18/14 C04B22/06 C04B22/08 C04B22/10 C04B22/12 C04B22/14 C04B24/06 C04B24/18 C04B24/22 C04B24/26 C04B24/30 C04B28/04 C04B28/06 C04B7/02 C04B7/32 (Advanced/Invention); C04B14/02 C04B18/04 C04B22/00 C04B24/00 C04B28/00 C04B7/00 (Core/Invention)

International (IPC 1-7): C04B11/00 C04B11/05 C04B11/06 C04B11/30 C04B14/04 C04B14/10 C04B18/06 C04B18/08 C04B22/06 C04B22/08 C04B22/10 C04B22/14 C04B24/06 C04B24/22 C04B28/04 C04B28/06 C04B7/00 C04B7/02 C04B7/32

CPC: C04B28/16 C04B2201/05 Y02W30/92

European: C04B28/06B M04B201/05

US: 106/695 106/696 106/705 106/706 106/707 106/708 106/772 106/773 106/774 106/819 106/823



Family:

Publication number	Publication date	Application number	Application date
CA2481273 AA	20041001	CA20032481273	20030620
EP1517871 A2	20050330	EP20030763010	20030620
HK1074196 A1	20051104	HK20050106680	20050803
HK1074196 A3	20051104	HK20050106680	20050803
JP2005531484 T2	20051020	JP20040519623T	20030620
JP4789466 B2	20111012	JP20040519623T	20030620
MXPA04010946 A1	20050125	MX2004PA10946	20030620
US6641658 BA	20031104	US20020189879	20020703
WO04005212 A2	20040115	WO2003US19649	20030620
WO04005212 A3	20040325	WO2003US19649	20030620

Priority:

US20020189879 20020703 WO2003US19649 20030620

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): UNITED STATES GYPSUM CO

Assignee(s): UNITED STATES GYPSUM CO 125 SOUTH FRANKLIN STREET CHICAGO ; UNITED STATES GYPSUM COMPANY ; DUBEY ASHISH

Inventor(s): (std): DUBEY ASHISH ; ASHISH DUBEY

Agent(s): MCCARTHY TETRAULT LLP; JOHNSON STOKES AND MASTER 19 FL PRINCE S BUILDING 10 CHATER ROAD HONG KONG

Designated states: AT BE BG CA CH CY CZ DE DK EE ES FI FR GB GR HU IE IT JP LU MC MX NL PT RO SE SI SK TR

3) Family number: 44515912 (US2011269875A)

© PatBase

Title: PLASTICIZER-CONTAINING HARDENING ACCELERATOR COMPOSITION

Abstract: The invention concerns a process for the preparation of a hardening accelerator composition by reaction of a water-soluble calcium compound with a water-soluble silicate compound and a process for the preparation of a hardening accelerator composition by reaction of a calcium compound with a silicon dioxide containing component under alkaline conditions, in both cases the reaction of the water-soluble calcium compound with the water-soluble silicate compound being carried out in the presence of an aqueous solution which contains a water-soluble comb polymer suitable as a plasticizer for hydraulic binders. The invention concerns also a composition of calcium silicate hydrate and comb polymer, its use as hardening accelerator and for the reduction of the permeability of hardened compositions.

Classifications:

International (IPC 8-9): C04B C04B103/14 C04B14/04 C04B22/00 C04B22/06 C04B22/08 C04B22/10 C04B22/12 C04B22/14 C04B22/16 C04B24/02 C04B24/04 C04B24/06 C04B24/08 C04B24/12 C04B24/24 C04B24/26 C04B24/32 C04B24/38 C04B28/02 C04B40/00 C08F290/06 C08G10/02 C08G65/00 C08G65/327 C08K3/00 C08K3/34 C08K5/00 C08L101/12 C08L101/14 (Advanced/Invention);

C04B103/14 (Advanced/Non-invention);

C04B22/00 C04B28/00 C04B40/00 (Core/Invention);

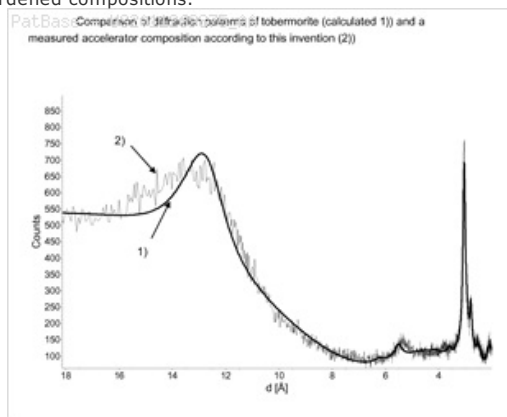
C04B22/08 C04B24/26 C08F290/06 C08G65/00 (Core/Non-invention)

CPC: C04B28/02 C04B40/0042 C04B2103/14 Y02W30/94

European: C04B28/02 C04B40/00D4B M04B103/14

US: 106/600 106/713 106/735 524/2 524/2P 524/442 524/456

524/543 524/556 524/791



Family:

Publication number	Publication date	Application number	Application date
AU2009289267 AA	20100311	AU20090289267	20090902
AU2009289267 BB	20140522	AU20090289267	20090902
BRPI0918283 A2	20151215	BR2009PI18283	20090902
CA2735705 AA	20110228	CA20092735705	20090902
CN102216234 A	20111012	CN200980143821	20090902
CN102216234 B	20180731	CN200980143821	20090902
CN108947375 A	20181207	CN201810933412	20090902
DE202009017741 U1	20100520	DE200920017741U	20090902
DK2321235 T3	20190624	DK20090782505T	20090902
DK2664595 T3	20190826	DK20130179257T	20090902
DK2664596 T3	20190826	DK20130179258T	20090902
EP2321235 A1	20110518	EP20090782505	20090902
EP2321235 B1	20190320	EP20090782505	20090902
EP2664595 A2	20131120	EP20130179257	20090902
EP2664595 A3	20141001	EP20130179257	20090902
EP2664595 B1	20181121	EP20130179257	20090902
EP2664596 A2	20131120	EP20130179258	20090902
EP2664596 A3	20141001	EP20130179258	20090902
EP2664596 B1	20181121	EP20130179258	20090902
EP3153482 A1	20170412	EP20160195850	20090902
ES2711314 T3	20190503	ES20130179257T	20090902
ES2711343 T3	20190503	ES20130179258T	20090902
HK1163051 A1	20120907	HK20120103550	20120411
HU042656 T2	20190729	HU20130179257T	20090902
HU042657 T2	20190729	HU20130179258T	20090902
HU044019 T2	20190930	HU20090782505T	20090902
IN02142CN2011 A	20120622	IN2011CN02142	20110329
JP2012501293 T2	20120119	JP20110525533T	20090902
JP2015147939 A2	20150820	JP20150095104	20150507
JP2016000695 A2	20160107	JP20150189841	20150928
JP2018108930 A2	20180712	JP20180030451	20180223
JP6071199 B2	20170201	JP20110525533T	20090902
JP6133355 B2	20170524	JP20150095104	20150507
LT2321235 T	20190710	LT20090782505T	20090902
LT2664595 T	20190211	LT20130179257T	20090902
LT2664596 T	20190225	LT20130179258T	20090902
MX2011002357 A1	20110808	MX20110002357	20090902
PL2664595 T3	20190531	PL20130179257T	20090902
PL2664596 T3	20190531	PL20130179258T	20090902
RU2011112305 A	20121010	RU20110112305	20090902
RU2520105 C2	20140620	RU20110112305	20090902
TR201901059 T4	20190221	TR20190001059T	20090902
TR201901118 T4	20190221	TR20190001118T	20090902
TR201908413 T4	20190722	TR20190008413T	20090902
TW201016629 A	20100501	TW20090129620	20090902
US2011269875 AA	20111103	US20090061063	20090902
US8653186 BB	20140218	US20090061063	20090902
WO10026155 A1	20100311	WO2009EP61334	20090902

Priority:

EP20080163468	20080902	CN200980143821	20090902	EP20090782505	20090902
JP20110525533	20090902	EP20130179257	20090902	EP20130179258	20090902
WO2009EP61334	20090902	JP20110525533T	20090902	JP20150095104	20090902
JP20150189841	20090902	JP20150095104	20150507	JP20180030451	20180223

Probable Assignee: CONSTRUCTION RESEARCH AND TECHNOLOGY GMBH

Assignee(s): (std): ALBRECHT GERHARD ; BRAEU MICHAEL ; CONST RES AND TECHNOLOGY GMBH ; CONSTR RES AND

TECH GMBH ; CONSTRUCTION RESEARCH AND TECH GMBH ; CONSTRUCTION RESEARCH AND TECHNOLOGY GMBH ; HESSE CHRISTOPH ; JETZLSPERGER EVA ; KUTSCHERA MICHAEL ; FRIDRICH DANIEL ; DORFNER REINHARD ; KONSTRAKSHN RISERCH EHND TEKNOLODZHI GMBKH ; LEITNER HUBERT ; LORENZ KLAUS ; SCHMITT DIRK ; WOHLHAUPTER THOMAS ; ZUERN SIEGFRIED ; NICOLEAU LUC ; VIERLE MARIO ; MONTERO PANCERA SABRINA ; PANCERA SABRINA MONTERO ; RESERARCH AND TECHNOLOGY GMBH CONST

Assignee(s): CONSTRUCTION RESERARCH AND TECHNOLOGY GMBH ; CONSTRUCTION RESEARCH AND TECHNOLOGY GMBHDE ; CONSTRUCTION RESEARCH TECHNOLOGY GMBH

Inventor(s): (std): LEITNER HUBERT ; LORENZ KLAUS ; KUTSCHERA MICHAEL ; HESSE CHRISTOPH ; JETZLSPERGER EVA ; SCHMITT DIRK ; WOHLHAUPTER THOMAS ; ALBRECHT GERHARD ; BRAEU MICHAEL ; FRIDRICH DANIEL ; NICOLEAU LUC ; VIERLE MARIO ; ZUERN SIEGFRIED ; MONTERO PANCERA SABRINA ; DORFNER REINHARD ; KLAUS LORENZ ; DIRK SCHMITT ; THOMAS WOHLHAUPTER ; LUC NICOLEAU ; EVA JETZLSPERGER ; HUBERT LEITNER ; DANIEL FRIDRICH ; MARIO VIERLE ; SABRINA MONTERO PANCERA ; SIEGFRIED ZUERN ; CHRISTOPH HESSE ; GERHARD ALBRECHT ; MICHAEL KUTSCHERA ; MICHAEL BRAEU ; REINHARD DORFNER ; SCHMITT DIRK ; EVA SCHOLZ ; MARIO FIRLE ; DANIEL FRIDRIKH ; SABRINA MONTERO PANSERA ; RAJNKHARD DORFNER ; KHUBERT LAJTNER ; ZIGFRID TSJURN ; MIKHAEHL KUCHERA ; GERKHARD AL BREKHT ; TOMAS VOL KHAUPTER ; MIKHAEHL BROJ ; KLAUS LORENTS ; LJUK NIKOLO ; DIRK SHMITT ; KRISTOF KHESSE ; EHVA JETTSL SHPERGER ; PANCERA SABRINA MONTERO ; BRAU MICHAEL ; ZURN SIEGFRIED ; SCHMID DIRK ; LORENTZ CLAUS ; SCHOLZ EVA

Inventor(s): SIEGFRIED ZURN ; MICHAEL BRAU ; DIRK SCHMITT

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; GOWLING LAFLEUR HENDERSON LLP; ROBIC; BASF IP ASSOCIATION; REITSTOETTER KINZEBACH; CHINA PATENT AGENT HK LTD; YESIM METIN; AHMET AYDOGAN; CURATOLO SIDOTI CO LPA; SALVATORE A; JOSEPH G

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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW