

Search history

Search 1: (construction or build*) and tac=((silicone and oil) and (plaster or gypsum or sulphate or calcium)) (Results 1318)
 Search 2: 1 and tac=(contain* or content or wt) (Results 1070)
 Search 3: (2) AND IPC=(C04 OR B28) (Results 140)
 Search 4: (2) AND IPC=(C04 OR B28 OR E04) (Results 180)
 Search 5: 4 and (sulphate and calcium and hydrat*) (Results 27)
 Search 6: 4 and (sulphate and calcium) and (fire near resistan*) (Results 13)
 Search 7: 2 and (fire near resistan*) (Results 64)
 Search 8: (7) AND IPC=(C04 OR E04 OR B28 OR E01) (Results 28)

1) Family number: 54364086 (WO14187703A1)

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Title: FIRE-RESISTANT CALCIUM SULPHATE-BASED PRODUCTS

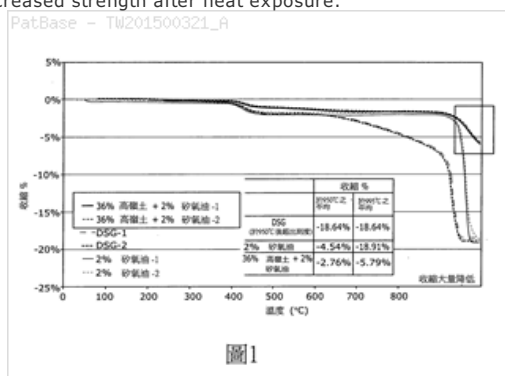
Abstract: The present invention relates to a calcium sulphate-based product comprising gypsum and a clay additive. The clay additive, which may be a kaolinitic clay, is provided in an amount greater than 22 wt percent. The product is formed by drying an aqueous slurry containing calcined gypsum and greater than 25wt percent clay additive. The product (e.g. a gypsum wallboard) exhibits improved resistance to shrinkage and increased strength after heat exposure.

Classifications:

International (IPC 8-9): C04B11/02 C04B14/10

C04B28/14 (Advanced/Invention)

CPC: C04B28/14 C04B2111/0062 C04B2111/00672 C04B2111/28



Family:

Publication number	Publication date	Application number	Application date
AR096389 AA	20151230	AR2014P102030	20140522
GB201309225 A0	20130703	GB20130009225	20130522
TW201500321 A	20150101	TW20140117762	20140521
WO14187703 A1	20141127	WO2014EP59783	20140513

Priority:

GB20130009225 20130522

Probable Assignee: BPB UNITED KINGDOM LTD

Assignee(s): (std): BPB UNITED KINGDOM LTD ; SAINT GOBAIN PLACO

Inventor(s): (std): JAN RIDEOUT ; JOANNA SPARKES ; LAURA BROOKS ; SPARKES JOANNA ; RIDEOUT JAN ; BROOKS LAURA

Agent(s): OXLEY RACHEL 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 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: 46692132 (US2012037044A)

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Title: DRY COMPOSITION COMPRISING A BINDER AND A SILICONE OIL

Abstract: A dry composition including at least one binder and at least one silicone oil with the following formula (I): in which: Z1 and Z2, identical or different, independently represent a terminal group selected from the group consisting of a hydrogen atom; a hydroxyl; a linear or branched, optionally substituted C1 to C12 alkyl; a linear or branched, optionally substituted C2 to C12 alkenyl radical; a linear or branched, optionally substituted C1 to C12 heteroalkyl; an optionally substituted C5 to C10 cycloalkyl radical; and an optionally substituted C6 to C18 aryl radical; R1 and R2, identical or different, independently represent a hydrogen atom; a hydroxyl; a linear or branched, optionally substituted C1 to C12 alkyl; a linear or branched, optionally substituted C2 to C12 alkenyl radical; a linear or branched, optionally substituted C1 to C12 heteroalkyl; an optionally substituted C5 to C10 cycloalkyl radical; or an optionally substituted C6 to C18 aryl radical; m and n, identical or different, independently represent a number ranging from 1 to 100.

Classifications:

International (IPC 8-9): C04B14/02 C04B14/04 C04B14/06 C04B14/28 C04B14/30 C04B16/00 C04B18/06 C04B18/08 C04B24/24 C04B24/40 C04B24/42 C04B26/02 C04B28/00 C04B28/02 C04B40/00 C08K3/00 C08K3/34 C08K5/541 C08K5/5415 C08K5/5419 C08L83/04 (Advanced/Invention); C04B28/00 (Core/Invention)
CPC: C04B26/02 C04B24/42 C04B28/02 C04B2103/0075 C04B2111/28
European: C04B24/42 C04B26/02 C04B28/02 M04B103/00W8 M04B111/28
US: 106/287.13 106/287.14 106/287.15 106/287.16 106/708 106/724 106/781 106/795 106/806 106/806S 524/2 524/261 524/267 524/2S
JP F-Term: 4G112/PA04 4G112/PA11 4G112/PA27 4G112/PA30 4G112/PB41 4G112/PA02 4G112/PA03 4G112/PA10 4J002 4J002/CP03/1 4J002/DM00/6 4J002/FD01/6 4J002/GL00
JP F-Index: C04B24/42/Z C04B28/02 C04B14/02/Z C04B14/04/Z C04B14/06/Z C04B14/28 C04B14/30 C04B18/08/Z C04B24/40 C08K3/34 C08L83/04

PatBase - US2012037044_AA

Patent Application Publication

Feb. 16, 2012

US 2012/0037044 A1

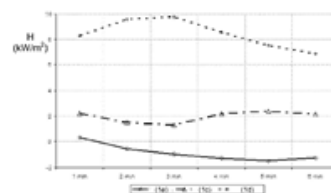


Figure 1

Family:

Publication number	Publication date	Application number	Application date
AU2010330327 AA	20110616	AU20100330327	20100219
AU2010330327 BB	20141009	AU20100330327	20100219
CA2752967 AA	20100616	CA20102752967	20100219
CA2752967 C	20170718	CA20102752967	20100219
DE602010018986 D1	20141030	DE201060018986T	20100219
EP2401241 A1	20120104	EP20100705335	20100219
EP2401241 B1	20140917	EP20100705335	20100219
ES2524300 T3	20141205	ES20100705335T	20100219
FR2942474 A1	20100827	FR20090000884	20090226
FR2942474 B1	20110729	FR20090000884	20090226
JP2012518593 T2	20120816	JP20110551468T	20100219
JP2015057369 A2	20150326	JP20140224489	20141104
JP5702310 B2	20150415	JP20110551468T	20100219
US2012037044 AA	20120216	US20110217705	20110825
US8506700 BB	20130813	US20110217705	20110825
WO11069685 A1	20110616	WO2010EP52090	20100219

Priority:

FR20090000884 20090226 EP20100705335 20100219 WO2010EP52090 20100219
JP20110551468 20100219 JP20110551468T 20100219

Probable Assignee: SIKA TECHNOLOGY AG**Assignee(s):** (std): GUILLOT LAURENT ; GUYOT CHRISTOPHE ; SIKA TECH AG ; SIKA TECHNOLOGY AG**Inventor(s):** (std): GUILLOT LAURENT ; GUYOT CHRISTOPHE ; CHRISTOPHE GUYOT ; LAURENT GUILLOT**Agent(s):** SHELSTON IP; SHELSTON IP PTY LTD; OSLER HOSKIN AND HARCOURT LLP; OFFICE FREYLINGER SA; SIKA PATENT ATTORNEYS; DE ELZABURU ALBERTO; NOVAGRAAF IP; NOVAGRAAF TECHNOLOGIES; AOKI ATSUSHI; KOGA TETSUJI; ISHIDA TAKASHI; 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 TZ 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**3) Family number: 30394181 (US2004116545A)**

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Title: TWO-COMPONENT FOAM SYSTEM FOR PRODUCING CONSTRUCTIONAL FOAMS AND THEIR USE

Abstract: A two-component foam system for producing foams for construction purposes includes, with a polyol component (A), which contains at least one polyol, optionally a catalyst for the reaction of the polyol with the polyisocyanate, water, and an aqueous polymer dispersion, and a polyisocyanate component (B), which contains at least one polyisocyanate, the qualitative ratio of polyol(s) to polyisocyanate(s) being matched so that, when the polyol component (A) is mixed as specified with the polyisocyanate component (B), a molar ratio of isocyanate groups of the polyisocyanate to OH groups of the polyols (NCO:OH ratio) of 1:5 to 10:1 is obtained.

Classifications:

International (IPC 8-9): C08F2/18 C08F4/42 C08G18/00 C08G18/32 C08G18/40 C08G18/72 C08J9/00 C08J9/22 C08K3/00 C08L101/00 C08L75/04 E04B1/94 (Advanced/Invention); C08G101/00 C08K3/00 (Advanced/Non-invention); C08G18/00 C08J9/00 C08K3/00 C08L101/00 C08L75/00 E04B1/94 (Core/Invention); C08K3/00 (Core/Non-invention)

International (IPC 1-7): B01D19/02 C08F2/18 C08F4/42 C08G18/00 C08G18/32 C08G18/40 C08G18/72 C08J9/00 C08J9/02 C08J9/14 C08J9/22 C08K3/00 C08L101/00 C08L75/04 C09K3/10 E04B1/682 E04B1/94

CPC: C08K3/016 C08G18/4018 C08G18/4063 C08G2101/0008 C08G2101/0066 C08G2101/0083

European: C08G18/40A12 C08G18/40A2 M08G101/00B M08G101/00K7 M08G101/00P M08K3/00P8

US: 516/115

JP F-Term: 2E001 2E001/DE03 2E001/FA31 2E001/FA71 2E001/GA05 2E001/HE00 2E001/HF12 2E001/JD00 2E001/JD13

2E001/JD15 2E001/MA06 2E001/MA08 2E001/MA09 4J002 4J002/AB01 4J002/AB04 4J002/AC01 4J002/AD03 4J002/AH00 4J002/BB03 4J002/BC02 4J002/BD03 4J002/BE04 4J002/BF01 4J002/BF02 4J002/BG03 4J002/BG10 4J002/BG13 4J002/CD20 4J002/CK02 4J002/DA05 4J002/DD07 4J002/DE07 4J002/DE10 4J002/DE11 4J002/DE12 4J002/DE13 4J002/DE14 4J002/DF03 4J002/DG02 4J002/DH05 4J002/DJ00 4J002/DJ01 4J002/DJ03 4J002/DK00 4J002/DL00 4J002/EF03 4J002/EF04 4J002/EF05 4J002/FA09 4J002/FD01 4J002/FD13 4J002/FD20 4J002/GL00 4J034 4J034/BA03 4J034/DA01 4J034/DF01 4J034/DG01 4J034/HA01 4J034/HA07 4J034/HB17 4J034/HC03 4J034/HC12 4J034/HC13 4J034/HC53 4J034/HC64 4J034/HC67 4J034/HC70 4J034/HC71 4J034/JA02 4J034/KA01 4J034/KB04 4J034/KB05 4J034/KC17 4J034/KC18 4J034/KD12 4J034/MA02 4J034/MA03 4J034/MA04 4J034/MA16 4J034/MA21 4J034/MA22 4J034/NA02 4J034/NA03 4J034/NA06 4J034/NA08 4J034/QA03 4J034/QB01 4J034/QC01 4J034/QD03 4J034/RA10
JP F-Index: C08G101/00 C08G18/00/F C08G18/00/H C08G18/40 C08K3/00 C08K3/013 C08K3/016 C08L101/00 C08L75/04 E04B1/94/E E04B1/94/H

Family:

Publication number	Publication date	Application number	Application date
AT356841 E	20070415	AT20030103473T	20030922
AU2003248202 AA	20040408	AU20030248202	20030919
AU2003248202 BB	20090903	AU20030248202	20030919
CA2441246 AA	20040323	CA20032441246	20030917
CN1284814 C	20061115	CN20031058732	20030922
CN1495213 A	20040512	CN20031058732	20030922
DE50306787 D1	20070426	DE20035006787	20030922
EP1400547 A1	20040324	EP20030103473	20030922
EP1400547 B1	20070314	EP20030103473	20030922
ES2282569 T3	20071016	ES20030103473T	20030922
JP2004131730 A2	20040430	JP20030328113	20030919
JP4795632 B2	20111019	JP20030328113	20030919
PL208116 B1	20110331	PL20030362347	20030922
PL362347 A1	20040405	PL20030362347	20030922
US2004116545 AA	20040617	US20030668813	20030922

Priority:

DE20021004171 20020923 DE20021044171 20020923 CA20032441246 20030917

Probable Assignee: HILTI AG

Assignee(s): (std): FORG CHRISTIAN ; HILTI AG ; JAKOBSTROER PETRA ; SCHULZ HANKE WOLFGANG

Assignee(s): FOERG CHRISTIAN ; JAKOBSTROEER PETRA

Inventor(s): (std): CHRISTIAN FORG ; FOERG CHRISTIAN ; FOLGE P JACOBUSTERROL W S HANK ; FORG CHRISTIAN ; JAKOBSTROEER PETRA ; JAKOBSTROER PETRA ; K FOLGE ; P JACOBUSTERROL ; PETRA JAKOBSTROER ; SCHULZ HANKE WOLFGANG ; WOLFGANG SCHULZ HANKE ; WS HANK ; JACOBUSTERROL P ; HANK W S ; FOLGE K

Inventor(s): W S HANK ; P JACOBUSTERROL WS HANK K FOLGE ; P JACOBUSTERROL W S HANK K FOLGE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GIERCZAK EUGENE J A

Designated states: AT DE ES FR GB IT

4) Family number: 3799182 (US4120937A) PatBase

Title: PROCESS FOR THE PRODUCTION OF HALOSILICON ACIDS AND ORGANIC SILICON ACID COMPOUNDS AND RESINOUS PRODUCTS

Abstract: Dry granular hydrated silica is mixed with silicon tetrahalides, and they react chemically to produce a mixture of halosilicon acids.

Classifications:

International (ipc 8-9): B01J31/02 B01J31/06 B01J31/12 C01B33/08 C04B26/32 C04B28/28 C08F4/16 C08G12/02 C08G12/40 C08G18/38 C08G18/40 C08G18/46 C08G18/50 C08G18/54 C08G18/60 C08G18/64 C08G69/42 C08G77/00 C08G85/00 C08J9/00 C08J9/14 C08L61/32 (Advanced/Invention); B01J31/02 B01J31/06 B01J31/12 C01B33/00 C04B26/00 C04B28/00 C08F4/00 C08G18/00 C08G69/00 C08G77/00 C08G85/00 (Core/Invention)

International (ipc 1-7): C01B25/01 C01B33/08 C08F283/12 C08G2/00 C08G69/26 C08G77/02 C08G8/04 C08J9/00 C08J9/14 C08L75/04 C08L91/00

CPC: C08G12/02 C08G12/40 C08G18/544 C08J9/0066 C08J9/14 C08J2361/32 C08J2375/04 C08L61/32 C08G77/00 C08G85/00 C08G18/3895 C08G18/5096 B01J31/04 C08G18/40 C08G18/4692 B01J31/123 B01J2231/12 C08G69/42 B01J31/0254 B01J31/063 C01B33/08 C04B26/32 C04B28/28 C08F4/16 C08G18/603 C08G18/6469

European: B01J31/02E2S B01J31/02F B01J31/04 B01J31/06 B01J31/06D B01J31/12P C01B33/08 C04B26/32 C04B28/28 C08F4/16 C08G12/02 C08G12/40 C08G18/38N2 C08G18/40 C08G18/46N C08G18/50N C08G18/54C C08G18/60B C08G18/64N C08G69/42 C08G77/00 C08G85/00 C08J9/00M C08J9/14 C08L61/32 L01J231/12 M08J361/32 M08J375/04

US: 260/18S 423/325 423/342 423/347 521/100 521/113 521/114 521/120 521/121 521/122 521/123 521/125 521/127 521/128 521/130 521/131 521/133 521/154 521/82 521/83 521/86 521/87 521/89 521/90 521/91 521/92 521/93 521/94 521/95 521/96 521/97 521/98 521/99 525/342 525/431 525/432 525/446 525/452 525/474 525/479 525/56 525/60 525/61 528/10 528/125 528/129 528/140 528/144 528/145 528/146 528/147 528/212 528/219 528/230 528/25 528/259 528/26 528/26.5 528/270 528/274 528/276 528/28 528/283 528/29 528/332 528/335 528/339.3 528/34 528/342 528/350 528/364 528/38 528/382 528/39 528/44 528/74 528/78 528/79 528/80 528/83 536/102 549/214 554/77 556/442 556/449 556/450 556/457

Family:

Publication number	Publication date	Application number	Application date
US4120937 A	19781017	US19770845464	19771025
US4170697 A	19791009	US19780918671	19780623
US4198491 A	19800415	US19780908106	19780522
US4238375 A	19801209	US19790032411	19790423
US4252934 A	19810224	US19800130576	19800314
US4291154 A	19810922	US19800130015	19800313
US4301254 A	19811117	US19810235041	19810217
US4374976 A	19830222	US19810293874	19810818

Priority:

US19770845464 19771025
US19790032411 19790423
US19810235041 19810217
US19780908106 19780522
US19800130015 19800313
US19810293874 19810818
US19780918671 19780623
US19800130576 19800314

Probable Assignee: MONSANTO CO
Assignee(s): (std) BLOUNT DAVID H
Assignee(s): MONSANTO CO
Inventor(s): (std) BLOUNT DAVID H

5) Family number: 56296193 (US2014113124A)

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Title: PREGELATINIZED STARCH WITH MID-RANGE VISCOSITY, AND PRODUCT, SLURRY AND METHODS RELATED THERETO

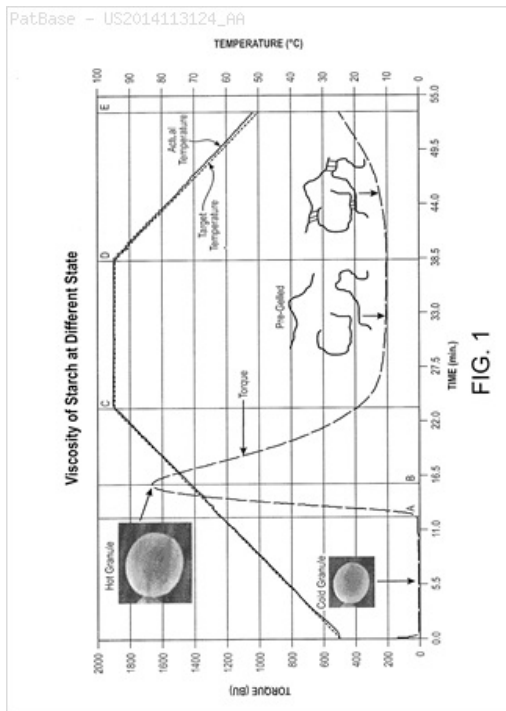
Abstract: Disclosed are product (e.g., panels), slurry, and methods relating to a pregelatinized starch having a mid-range viscosity (i.e., from about 20 centipoise to about 700 centipoise).

Classifications:

International (IPC 8-9): B01J13/00 B28B1/16 B32B13/00 B32B37/15 B32B9/02 C04B C04B103/32 C04B11/00 C04B111/20 C04B22/16 C04B24/00 C04B24/10 C04B24/22 C04B24/28 C04B24/38 C04B24/383 C04B28/00 C04B28/04 C04B28/14 C04B28/16 C04B38/10 C04B40/00 C08B C08B30/12 C08B30/14 C08B30/18 C08B31/06 C08B31/10 C08D30/14 C08L3/02 C08L3/08 C09D5/34 C09J103/02 C09J103/08 C13K1/06 E04B1/86 E04C2/04 E04C2/26 (Advanced/Invention); C04B103/10 C04B103/20 C04B103/32 C04B111/00 C04B111/20 E04C2/26 (Advanced/Non-invention); C07K16/28 C08B30/14 (Core/Invention)
CPC: C04B11/00 C08B30/12 C04B24/383 C04B28/16 C08B30/18 E04C2/26 C04B24/283 C04B38/106 C04B2103/10 C04B2103/20 C08B30/14 C08L3/02 C08L3/08 C09J103/02 C09J103/08 C04B14/28 C04B18/24 Y10T428/253 B28B1/16 C04B24/38 C04B28/14 E04C2/043 C04B2111/0062 C04B2111/00672 Y02W30/97 Y10T428/31971 B32B13/00 C04B40/00 C04B2103/32 C04B2111/20
US: 106/776 106/779 106/804 127/38 127/71 156/348 156/39 252/62 264/138 428/220 428/326 428/532

JP F-Term: 4C090 4C090/AA08 4C090/BA13 4C090/BA15 4C090/BA16 4C090/BB03 4C090/BB12 4C090/BB32 4C090/BB36 4C090/BB38 4C090/BB52 4C090/BB63 4C090/BB72 4C090/BB92 4C090/BB95 4C090/BD05 4C090/BD08 4C090/CA04 4C090/DA02 4C090/DA40 4G112 4G112/PB14 4G112/PB25 4G112/PB39 4C090/AA04 4C090/BD11 4C090/CA05 4C090/CA31 4C090/CA47 4C090/DA10 4G112/MB42 4G112/PB13

JP F-Index: C04B24/00 C04B24/22/B C04B24/38/Z C04B28/14 C08B30/12 C08B31/06 C08B31/10 C04B22/16/A C08B30/14



Family:

Publication number	Publication date	Application number	Application date
AR093072 AA	20150513	AR2013P103798	20131018
AR097880 AA	20160420	AR2014P103654	20141001
AU2013335106 AA	20140501	AU20130335106	20131014
AU2013335106 BB	20180308	AU20130335106	20131014
AU2014329817 AA	20160505	AU20140329817	20140929
AU2014329817 BB	20181129	AU20140329817	20140929
AU2014329817 BI	20190103	AU20140329817	20140929
AU2018203602 AA	20180614	AU20180203602	20180522
AU2018279047 AA	20190117	AU20180279047	20181217
BR112015008774 A2	20170704	BR20151108774	20131014
BR112016007044 A2	20170801	BR20161107044	20140929
CA2887346 AA	20150409	CA20132887346	20131014
CA2925619 AA	20160324	CA20142925619	20140929
CL2015000989 A1	20150904	CL20150000989	20150417
CL2016000722 A1	20161021	CL20160000722	20160329
CN105121475 A	20151202	CN201380064231	20131014
CN105121475 B	20180413	CN201380064231	20131014
CN105722861 A	20160629	CN201480062755	20140929
CN105722861 B	20181102	CN201480062755	20140929
CN106673579 A	20170517	CN201710052339	20131014
CO16098183 A2	20160909	CO20160098183	20160418
EP2912071 A2	20150902	EP20130783185	20131014
EP3052527 A1	20160810	EP20140789654	20140929
ID201603852 A	20160610	ID2015P0002723	20131014
ID201709493 A	20170901	ID2016P0002489	20140929
IN03612DN2015 A	20151120	IN2015DN03612	20150428
IN201617012883 A	20160831	IN201617012883	20160412
JP2016500639 T2	20160114	JP20150537757T	20131014
JP2016535116 T2	20161110	JP20160518449T	20140929
JP2018150237 A2	20180927	JP20180099285	20180524
JP6346186 B2	20180620	JP20150537757T	20131014
KR20150077437 A	20150707	KR20157012060	20131014
KR20160065869 A	20160609	KR20167009760	20140929
MX2015004978 A1	20150717	MX20150004978	20131014

MX2016004060 A1	20160622	MX20160004060	20140929
PE06672016 A1	20160709	PE20160000418	20140929
PE10332015 A1	20150819	PE20150000526	20131014
RU2015117913 A	20161210	RU20150117913	20131014
RU2016114846 A	20171023	RU20160114846	20140929
RU2016114846 A3	20180510	RU20160114846	20140929
RU2641350 C2	20180117	RU20150117913	20131014
RU2671467 C2	20181031	RU20160114846	20140929
TH159395 A	20170118	TH20161001804	20140929
TH167533 A	20170907	TH20151002178	20131014
TW201416225 A	20140501	TW20130137827	20131018
TW201514315 A	20150416	TW20140134059	20140930
TWI623418 B	20180511	TW20130137827	20131018
TWI638050 B	20181011	TW20140134059	20140930
US2014113124 AA	20140424	US20130835002	20130315
US2014113128 AA	20140424	US20130044582	20131002
US2015010767 AA	20150108	US20140494547	20140923
US2017073272 AA	20170316	US20160359196	20161122
US2018037671 AA	20180208	US20170787264	20171018
US2018339944 AA	20181129	US20180053485	20180802
US9540810 BB	20170110	US20130044582	20131002
US9828441 BB	20171128	US20140494547	20140923
WO14066079 A2	20140501	WO2013US64776	20131014
WO14066079 A3	20151008	WO2013US64776	20131014
WO15050804 A1	20150409	WO2014US57980	20140929
ZA201503140 A	20160127	ZA20150003140	20150507
ZA201602499 A	20180328	ZA20160002499	20160413

Priority:

US20120717588P	20121023	US20130835002	20130315	US20130044582	20131002
AU20130335106	20131014	CN201380064231	20131014	JP20150537757T	20131014
WO2013US64776	20131014	US20140494547	20140923	AU20140329817	20140929
RU20160114846	20140929	WO2014US57980	20140929	CL20150000989	20150417
US20160359196	20161122	US20170787264	20171018	AU20180203602	20180522
JP20180099285	20180524	US20180053485	20180802	AU20180279047	20181217

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): UNITED STATES GYPSUM CO ; YUNAJTED STEJTS DZHIPSUM KOMPANI ; YUNAJTED STEJTS DZHIPSEM KOMPANI ; USG CORP

Assignee(s): US GYPSUM CO ; CHAN CESAR ; LEE CHRIS C ; SANG YIJUN ; SONG WEIXIN D

Inventor(s): (std): CESAR CHAN ; CHRIS C LEE ; WEIXIN D SONG ; WEIXIN DAVID SONG ; YIJUN SANG ; WEISING SONG ; SONG W D ; LI C C ; CHRIS LEE ; CHEN C ; SUN VEJSIN D ; SONG WEIXIN DAVID ; SONG WEIXIN D ; SANG YIJUN ; SANG YI JUN ; SANG Y ; SAN ITSZYUN ; LI KRIS S ; LEE CHRIS C ; CHAN SIZAR ; CHAN CESAR

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; JAMES AND WELLS INTELLECTUAL PROPERTY; MOFFAT AND CO; JOHANSSON AND LANGLOIS LTDA; DANILO ROMERO RAAD; BSB INTELLECTUAL PROPERTY LAW; BUDI RAHMAT SH; BUDI RAHMAT; RYBINOJ NA; PHILIP T; LEYDIG VOIT AND MAYER LTD; PRADIP K; HASAN SALIM 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 TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 94194 (US3751291A)

© PatBase

Title: FIRE RESISTANT ASPHALT ROOFING

Abstract: A fire-resistant roof covering comprising a mineral wool felt base saturated with asphalt and containing 50-70 percent mineral wool, said base being coated with a composition consisting of about 49 percent asphalt, about 40 percent ground trap rock filler and about 11 percent asbestos.

Classifications:

International (IPC 8-9): C08L95/00 D06N5/00 E04D5/02 (Advanced/Invention); C08L95/00 D06N5/00 E04D5/00 (Core/Invention)

International (IPC 1-7): B32B19/08 C04B43/02 C08H13/00 C09K3/28 D06N5/00 E04B1/00 E04D1/00 E04D5/02

CPC: C08L95/00 D06N5/00 Y10S428/921 Y10T428/31652 Y10T442/2639 B32B13/14 B32B2260/021 B32B2260/042 B32B2262/08 B32B2307/3065 B32B2419/06 E04D5/02

European: C08L95/00 D06N5/00 E04D5/02

US: 428/443 428/921 442/137

Family:

Publication number	Publication date	Application number	Application date
BE735363 A	19691230		19690630
DE1927718 A1	19700115	DE19691927718	19690530
FR2012341 A1	19700320	FR19690022169	19690701
GB1277658 A	19720614	GB19690033388	19690702
LU58995 A	19700115		19690701
NL6910099 A	19700107	NL19690010099	19690701
US3751291 A	19730807	US19710120747	19710303

Priority:

US19680742524 19680705 US19710120747 19710303

Probable Assignee: UNITED STATES GYPSUM CO

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

Assignee(s): UNITED STATES GYPSUM COMPANY ; UNITED STATES GYPSUM CY ; US GYPSUM CO US
Inventor(s): (std): FREDERICK SCHROEDER JOHN ; SCHROEDER J ; SCHROEDER JOHN F
Inventor(s): SCHROEDER J US ; JOHN F SCHROEDER

7) Family number: 30853243 (US4075178A) © PatBase

Title: ORGANOALUMINUM COMPOSITIONS

Abstract: Organoaluminum compounds of the formula IN WHICH A, B and C are each selected from alkoxy, aryloxy, alkylcarboxyl, arylcarboxyl, a dicarboxylic acid half ester, a dicarboxylic acid half amide, alkyl sulfate, aryl sulfonate, dialkyl phosphate, alkylaryl phosphate, diaryl phosphate, dialkylphosphite, alkylaryl phosphite, diarylphosphite, or oxymetal group of the formula OMA in which M is a divalent metal; a and b are 0, 1 or 2 with the proviso that a + b = 2; x is at least 2 and z is a polyfunctional group selected from organic polymers or polycondensation products, inorganic macromolecules and metals. The products are prepared by addition of a polyfunctional compound or metal to an excess of organoaluminum compound.

Classifications:

International (IPC 8-9): B22C1/20 C07F5/06 C08G63/46 C08G63/91 C08G79/10 C08G8/28 C08K5/00 C08K5/05 C08K5/41 C08K5/52 C08K5/56 C08L21/00 C08L67/00 C08L7/00 C09D11/00 C09D11/02 C09D161/04 C09D191/00 C09D201/00 C09D5/00 C09D7/00 C09D7/12 C09F1/04 C09J5/00 C09J5/02 (Advanced/Invention); B22C1/16 C07F5/00 C08G63/00 C08G79/00 C08G8/00 C08K5/00 C08L21/00 C08L67/00 C08L7/00 C09D11/00 C09D11/02 C09D161/00 C09D191/00 C09D201/00 C09D5/00 C09D7/00 C09D7/12 C09F1/00 C09J5/00 C09J5/02 (Core/Invention)

International (IPC 1-7): B22C1/20 C04B41/00 C07C143/00 C07C31/32 C07C69/60 C07F5/06 C08F8/42 C08G17/14 C08G30/00 C08G63/46 C08G63/76 C08G79/10 C08G8/28 C08K1/58 C08K5/00 C08K5/05 C08L27/06 C08L61/10 C08L67/00 C08L91/00 C08L93/02 C09D11/00 C09D11/02 C09D3/00 C09D3/26 C09D3/48 C09D3/54 C09D3/64 C09D5/00 C09D5/14 C09D7/12 C09F1/00 C09F1/04 C09G C09J C23F7/00 D06M15/16

CPC: B22C1/205 C07F5/069 C08G63/914 C08G79/10 C08K5/0091 C08K5/56 C09D5/00

European: B22C1/20B C07F5/06B C08G63/91D C08G79/10 C08K5/00S C08K5/56 C09D5/00

US: 106/18.14 106/18.26 260/448AD 260/75T 523/148 523/172 525/437 525/444.5 525/475 525/506 525/523 528/9 554/76 556/10 556/14 556/173 556/174 556/175 556/177 556/179 556/183 556/184 556/27 556/7

JP F-Term: 4H048 4H048/AA02 4H048/AC90 4H048/BC31 4H048/BD80 4H048/VA10 4H048/VA20 4H048/VA40 4H048/VA45 4H048/VA80 4H048/VB10 4H048/VB20 4J002 4J002/AE00 4J002/AF01 4J002/CC03 4J002/CF01 4J002/CF21 4J002/EC07 4J002/ED05 4J002/EV25 4J002/EW04 4J002/EW06 4J002/FD14 4J002/GH01 4J002/GM03 4J038 4J038/BA20 4J038/BA22 4J038/BA23 4J038/DA04 4J038/DD12 4J038/JA23 4J038/JA43 4J038/JA65 4J038/JC13 4J038/JC24 4J038/JC26 4J038/KA03 4J038/LA06 4J038/NA02 4J038/NA03 4J038/NA15 4J038/NA24 4J038/PB05 4J038/PB06 4J038/PB07 4J038/PB09 4J038/PC04 4J038/PC06 4J038/PC10 4J039 4J039/AB04 4J039/AB09 4J039/AE02 4J039/AE06 4J039/BC59 4J039/BE19 4J039/BE23 4J039/CA07 4J039/DA02 4J039/EA10 4J039/EA17 4J039/EA18 4J039/EA19 4J039/EA33 4J039/EA34 4J039/EA37 4J039/EA38 4J039/EA39 4J039/EA40 4J039/EA43 4J039/EA44 4J039/EA48 4J039/FA01 4J039/FA05 4J039/GA03 4J039/GA09 4J039/GA25 4J039/GA34 4J040 4J040/MA03 4J040/MA08 4J040/MA09 4J040/NA12 4J040/PA04 4J040/PA06 4J040/PA08 4J040/PA11

JP F-Index: C07F5/06/D C08K5/00/KAN C08K5/00/KBU C08K5/00/KCB C08K5/05/CAM C08K5/41 C08K5/52 C08L21/00 C08L67/00/LNZ C08L7/00/LAY C09D11/00/PTG C09D11/02 C09D11/03 C09D161/04 C09D191/00 C09D201/00 C09D3/26/PCY C09D3/48/PDC C09D3/54/PHF C09D7/00/PSL C09D7/12/Z C09J5/00/JGP C09J5/02

Family:

Publication number	Publication date	Application number	Application date
BE797445 A	19730716	BE19730129365	19730328
CA1022162 A1	19771206	CA19730167026	19730326
DE2315091 A1	19731018	DE19732315091	19730327
DE2335212 A1	19740103	DE19732335212	19730327
FR2202129 A1	19740503	FR19730010954	19730327
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IE37437 L	19730928	IE19730000454	19730321
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JP1014684 C3	19800925	JP19730035546	19730328
JP49005924 A2	19740119	JP19730035546	19730328
JP55004132 B4	19800129	JP19730035546	19730328
LU67319 A	19730615	LU19730067319	19730328
NL159127 B	19790115	NL19730004347	19730328
NL7304347 A	19731002	NL19730004347	19730328
US4075178 A	19780221	US19750620239	19751006
US4132724 A	19790102	US19770811644	19770630
ZA7302070 A	19731219	ZA19730002070	19730326

Priority:

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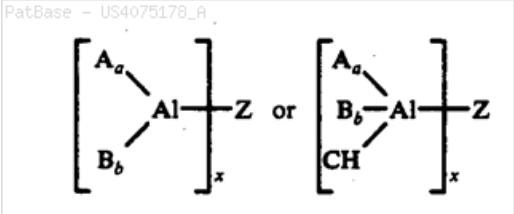
Probable Assignee: MANCHEM LTD

Assignee(s): (std): HARDMAN AND HOLDEN LIMITED ; HARDMAN AND HOLDEN LTD ; HARDMAN HOLDEN LTD GB ; HARDMAN AND HOLDEN MANCHESTER GROOT BRITTA LTD ; HARDMAN HOLDEN LTD ; HARDMAN AND HOLDEN LTD MANOX HOUSE MILES PLATTING ; MANCHEM LTD

Assignee(s): MANCHEM LIMITED ; HARDMAN AND HOLDEN LTD MANOX HOUSE MILES PLATTING MANCHESTER GR BR ; TURNER JOHN HW ; HARDMAN AND HOLDEN LTD MANCHESTER LANCASHIRE GROS ; HARDMAN AND HOLDEN LTD MANCHESTER LANCASHIRE GROSSBRITANNIEN ; HARDMAN AND HOLDEN LIMITED MANCHESTER GROOT BRITTA ; HARDMAN AND HOLDEN LIMITED MANCHESTER GROOT BRITANNIE

Inventor(s): (std): TURNER J ; TURNER JOHN H W ; TURNER JOHN HW ; TURNER JOHN HARRY WALLICE

Inventor(s): WALLICE TURNER JOHN HARRY ; TURNER JOHN HARRY WALLICE MANCHESTER GROSSBRITANN ; TURNER JOHN HARRY WALLICE MANCHESTER GROSSBRITANNIEN



Title: POLYSILOCARB MATERIALS AND METHODS

Abstract: Silicon (Si) based materials and methods of making those materials. More specifically, methods and materials having silicon, oxygen and carbon that form filled and unfilled plastic materials and filled and unfilled ceramics.

Classifications:

International (IPC 8-9): A61K8/25 A61K8/89 A61Q3/02 B01D39/20 B01D53/22 B01D67/00 B01D71/04 B01J2/02 B01J2/04 B01J2/06 B24D3/00 B24D3/04 B24D3/28 B28B11/16 B28B11/24 B28B3/26 B82Y30/00 C01B31/18 C01B31/20 C01B31/30 C01B31/36 C01B32/40 C01B32/956 C01B32/977 C01B33/021 C01B33/037 C01B33/113 C04B33/135 C04B35/14 C04B35/515 C04B35/52 C04B35/524 C04B35/56 C04B35/565 C04B35/571 C04B35/589 C04B35/626 C04B35/63 C04B35/64 C04B35/65 C04B35/80 C07F7/08 C07F7/18 C08G77/00 C08G77/12 C08G77/20 C08G77/50 C08G85/00 C08J3/24 C08J5/00 C08K3/00 C08K3/34 C08K5/425 C08K7/02 C08L25/00 C08L83/00 C08L83/04 C08L83/06 C08L83/14 C09B69/10 C09C1/00 C09C1/28 C09D101/18 C09D101/28 C09D105/00 C09D107/02 C09D11/00 C09D11/037 C09D11/14 C09D133/14 C09D163/00 C09D175/16 C09D183/04 C09D201/00 C09D5/18 C09D5/29 C09D5/32 C09D7/12 C09J1/00 C09J119/00 C09J183/04 C09K21/02 C09K21/14 C09K8/588 C09K8/66 C09K8/80 C1B33/021 C1B33/037 C23C16/32 C30B23/00 C30B23/02 C30B25/00 C30B25/02 C30B25/18 C30B25/20 C30B28/02 C30B29/06 C30B29/36 E21B10/46 E21B15/00 E21B17/00 E21B17/01 E21B33/06 E21B33/12 E21B43/01 E21B43/10 E21B43/12 E21B43/26 E21B43/267 F41H5/02 H01L21/02 H01L29/16 H01L29/66 (Advanced/Invention); C01B33/113 C08G77/00 C08G77/12 C08G77/20 C30B29/36 F41H5/02 (Advanced/Non-invention)

CPC: C09K2208/00 E21B43/01 B01D53/228 B01D67/0067 B01D71/04 B01D2323/12 B01D2323/06 B01D2323/21 B01D2325/02 C04B2235/6586 B01D39/20 C09K8/66 C09D133/14 C09D163/00 C09D101/28 C09D101/18 C09D105/00 C09D11/00 A61K8/25 C09J119/006 C09D11/037 A61K2800/412 A61K2800/43 C09D183/04 C04B2235/408 C04B2235/5296 C04B2235/6567 B01D69/141 B01D71/024 B01D2256/16 C01B3/503 C04B35/589 C04B2235/5248 C04B2235/616 E21B17/00 E21B17/01 E21B17/085 E21B33/1208 C04B38/0022 C04B35/6264 C04B2235/40 E21B10/46 E21B43/10 E21B33/12 E21B15/00 E21B43/121 E21B33/06 C08J2383/07 C01P2004/51 C01P2004/62 C09C1/0081 C08J5/00 E21B43/26 E21B43/267 C09K8/588 C01B31/301 C23C16/325 C01P2002/30 C01P2006/32 C30B23/00 C30B23/025 C30B29/36 C30B29/06 H01L29/1608 H01L29/66068 H01L29/66893 H01L21/02381 H01L21/0262 F41H5/0414 C04B37/005 C04B37/045 C04B2235/95 C04B2235/9607 C04B2237/083 C04B2237/365 C04B2237/385 C01B33/113 B01J2/04 C08L83/00 B01J2/003 B01J2/06 C04B2235/76 C04B2235/766 C04B2235/767 C04B2235/9684 H01L21/02378 H01L21/02529 B01J2/18 C04B35/63 C04B2235/6021 B28B3/26 B28B11/16 B26D1/28 B26D7/26 B29B9/065 C04B35/565 C04B35/62695 H01L21/02167 H01L21/324 C01P2006/80 C04B2235/383 C04B2235/3834 C09C1/28 C09D5/32 C09D5/18 C09D175/16 C09K21/02 C09D5/29 C09D107/02 C01P2006/62 C01P2006/64 C01P2004/61 C01P2006/19 Y02P40/63 C30B25/02 C01B32/907 C08G18/6225 H01L29/745 A61K8/891 C01P2006/10 C08K3/34 C09D11/033 C09D11/108 C04B2235/3895 C23C16/401 C08J3/24 B24D3/04 B24D3/14 C04B2235/427 C08K3/013 C09D7/61 C09D7/68 C09D7/69 C08K5/56 C08K3/14 C09D11/14 C07F7/0803 C07F7/0838 C07F7/1804 C01P2002/60 B82Y30/00 C08L83/06 C01B32/956 C04B2235/483 C04B2235/72 C04B2235/721 C04B2235/727 C04B2235/785 C04B35/515 C04B35/64 B01J2/20 C09D183/14 C09K8/805 C09C1/0021 C09C2200/10 C01P2002/02 C01P2004/20 C01P2004/80 C09C2200/301 C30B35/007 C30B23/02 C04B35/62222 C04B2235/5292 C04B2235/725 A61Q3/02 C01B31/36 C01B32/40 C01B32/50 C04B35/6267 C04B37/001 C04B2237/34 C04B2237/341 C04B2237/343 C04B33/1352 C04B35/571 C04B35/6269 C04B2235/3217 C04B2235/3463 C04B2235/5445 C04B2235/5481 C04B2235/94 C08G77/12 C08G77/50 C08L83/04 Y02P40/69 C04B35/62802 C04B35/62807 C04B35/62821 C04B35/62826 C04B35/62894 C04B35/62897 C04B2235/401 C04B2235/402 C04B2235/404 C04B2235/405 B24D3/28 C01P2004/84 C09C2200/308 C08L83/14 C08G77/04 C04B35/56 C04B35/5603 C04B35/806 C04B2235/3418 C04B2235/3826 C04B2235/44 C04B2235/48 C04B2235/528 C04B2235/5427 C04B2235/5436 C04B2235/6581 C04B2235/77 C04B2235/96 C08G77/20 C08G77/80 C09K8/80 Y10T428/131

US: 106/197.01 106/203.3 106/217.7 106/285 106/287.13 106/31.68 106/31.69 106/475 106/491 106/504 166/105 166/179 166/208 166/242.1 166/243 166/280.2 166/335 166/367 166/381 166/75.11 175/425 252/601 264/13 264/638 29/557 423/325 423/345 424/61 427/397.7 428/34.4 428/367 428/402 501/154 501/87 501/90 507/117 507/219 507/269 51/298 524/14 524/315 524/361 524/365 524/423 524/442 524/443 524/570 524/577 524/588 524/612 524/79 525/474 525/478 525/50 525/55 528/31 528/32 95/55 96/4

JP F-Term: 4G072 4G072/AA50 4G072/HH28 4G072/KK00 4G072/KK11 4G072/RR01 4G072/RR12 4G072/TT19 4G072/UU01 4G077 4G077/BE08 4G146 4G146/JA01 4G146/JB01 4G146/MA14 4G146/MB05 4G146/MB07 4G146/MB19 4G146/MB23 4G146/NA13 4G146/NA24 4G146/NB09 4G146/NB10 4J002 4J002/CP04 4J002/CP14 4J002/EX01 4J002/GF00 4J002/GQ05 4J002/GR00 4J002/GT00 4J002/HA01

JP F-Index: C01B32/40 C01B32/977 C01B33/113/Z C08K5/5425 C08L83/05 C30B29/36/A

Family:

Publication number	Publication date	Application number	Application date
AP201508964 A0	20151231	AP20150008964	20140703
AU2014285028 AA	20160128	AU20140285028	20140703
BR112015027706 A2	20170829	BR20151127706	20140502
BR112015033016 A2	20170725	BR20151133016	20140703
CA2910822 AA	20151030	CA20142910822	20140502
CA2917146 AA	20151230	CA20142917146	20140703
CA2940675 AA	20160824	CA20152940675	20150228
CA2940678 AA	20160824	CA20152940678	20150228
CA2962602 AA	20170324	CA20152962602	20150924
CN105452190 A	20160330	CN201480038012	20140502
CN105452190 B	20180424	CN201480038012	20140502
CN105745299 A	20160706	CN201480048718	20140703
CN106232748 A	20161214	CN201580021474	20150228
CN106459665 A	20170222	CN201580023018	20150228
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PatBase - US2014274658_AA

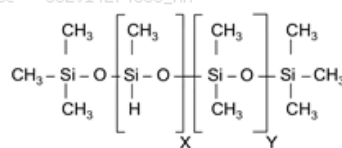


FIG. 1

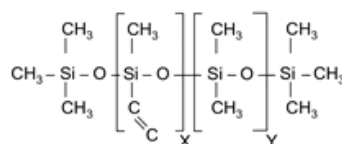


FIG. 2

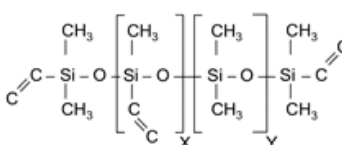


FIG. 3

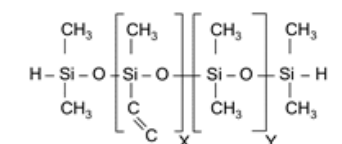


FIG. 4

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CN108410174 A	20180817	CN201810245555	20140502
CN108463580 A	20180828	CN201680067713	20160923
EP2991949 A2	20160309	EP20140791407	20140502
EP2991949 A4	20170719	EP20140791407	20140502
EP3017015 A1	20160511	EP20140820225	20140703
EP3017015 A4	20170705	EP20140820225	20140703
EP3057678 A1	20160824	EP20140853707	20141014
EP3057678 A4	20170712	EP20140853707	20141014
EP3110895 A1	20170104	EP20150755755	20150228
EP3110895 A4	20180425	EP20150755755	20150228
EP3110896 A1	20170104	EP20150755897	20150228
EP3110896 A4	20180103	EP20150755897	20150228
EP3197845 A2	20170802	EP20150844428	20150924
EP3197845 A4	20180912	EP20150844428	20150924
EP3197847 A2	20170802	EP20150843769	20150924
EP3197847 A4	20180822	EP20150843769	20150924
EP3247488 A1	20171129	EP20160740729	20160121
EP3247488 A4	20180808	EP20160740729	20160121
EP3353339 A1	20180801	EP20160849805	20160923
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IN201617000534 A	20160708	IN201617000534	20160106
IN201617031547 A	20170106	IN201617031547	20160915
JP2017537052 T2	20171214	JP20170536220T	20150924
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Priority:

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US20180924141 20180316		

Probable Assignee: PALLIDUS INC

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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 JO JP KE KG KH 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

9) Family number: 50950282 (US2013330532A)

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Title: DISPERSANT CONTAINING GYPSUM SLURRY

Abstract: The subject of the present invention is a gypsum containing aqueous slurry containing a phosphate based polycondensate as sole agent with dispersing properties. With a phosphated polycondensate according to the invention as sole dispersing component an improved efficiency was found in comparison with the polycondensates known in the prior art. As additional favorable effect a significantly decreased retardation of the setting and hardening of the various construction compositions and especially of gypsum based slurries compared to other dispersants is to be observed, independently from the dosage of the dispersing component. This effect of the polycondensate component as well as an expedient influence on the pore structure surprisingly can be observed.

Classifications:

International (IPC 8-9): C04B14/00 C04B14/10 C04B16/00 C04B16/04 C04B24/00 C04B24/26 C04B24/32 C04B28/02 C04B28/14 C04B40/00 C08G65/335 C08K3/00 C08K3/26 C08K3/30 C08K5/00 C08K5/42 C08K5/521 C08L61/00 C08L61/06 C08L71/02 (Advanced/Invention)

CPC: C08K5/42 C08K5/521 C04B24/2617 C04B28/14 C04B2103/30 C04B2103/408 C04B2111/0062 C08K3/26 C08L61/06 C08G65/3353 C08L71/02 C04B16/04 C08L61/00 C04B28/145 C08K3/30 C08K2003/3045 C04B28/141

European: C04B24/26D C04B28/14 C08K3/26 C08L61/00 C08L61/06 M04B103/30 M04B103/40P M04B111/00T6B

US: 264/299 264/42 428/220 521/181 523/122 524/3

JP F-Term: 4G112 4G112/PA06 4G112/PB14 4G112/PB27 4G112/PB36 4J005 4J005/AA12 4J005/BD07

JP F-Index: C04B14/10/Z C04B24/00 C04B24/26/Z C04B24/32/A C04B28/14 C08G65/335

Family:

Publication number	Publication date	Application number	Application date
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EP2627708 A2	20130821	EP20110770403	20111007
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JP6025731 B2	20161116	JP20130533158T	20111007
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US2013330532 AA	20131212	US20110821503	20111007
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WO12049077 A3	20121122	WO2011EP67523	20111007

Priority:

US20100391796P 20101011 CN201180048965 20111007 WO2011EP67523 20111007
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Probable Assignee: BASF SE

Assignee(s): (std): BASF CONSTR POLYMERS GMBH ; BASF CONSTRUCTION POLYMERS GMBH ; BASF SE ; DIERSCHKE FRANK ; SCHINABECK MICHAEL ; PROSIEGEL KLAUS

Assignee(s): BASF CONSTRUCTION SOLUTIONS GMBH ; BASF CONSTRUCTION CHEMICALS GMBH

Inventor(s): (std): SCHINABECK MICHAEL ; DIERSCHKE FRANK ; PROSIEGEL KLAUS ; SHINABEK MIKHAEL ; PROZIGEL KLAUS ; DIRSHKE FRANK

Inventor(s): MICHAEL SCHINABECK ; FRANK DIERSCHKE ; KLAUS PROSIEGEL

Agent(s): NORTON ROSE CANADA SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; BORDEN LADNER GERVAIS LLP

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

10) Family number: 1671289 (GB1402424A)

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Title: SEALING COMPOSITIONS

Abstract: 1402424 Sealing strips EVODE Ltd 8 Aug 1972 [12 Aug 1971] 37880/71 Heading B2E A sealing material comprises a sheet-like substrate having on at least one surface a coating of pressure sensitive thermoplastic adhesive which is at least as thick as a substrate, the adhesive mass comprising a thermoplastics synthetic base polymer, a compatible tackifying resin film. The substrate may be a metal sheet, such as of aluminium stainless steel, or a sheet of polypropylene, polyethylene or polyvinyl chloride. The substrate may be reinforced with a woven or non- woven fibrous material. A laminated substrate such as of paper and metal foil may also be used. The substrate may be pre-treated by flame treatment or corona discharge before application of the adhesive composition. The adhesive layer is preferably 10 to 100 times the thickness of the substrate. The actual thickness is normally 0.025 to 0.1 inches. The base polymer of the adhesive may be polybutene, polyisobutylene, styrene, polymers, such as styrene-butadiene copolymers, and polymers of alpha-methyl styrene, polyvinyl ethers, acrylic and ethylene-vinyl acetate copolymers. Suitable tackifying resins are rosins, rosin esters, hydrogenated rosin esters and hydrocarbon resins such as polyindenes, polyindenes, polyterpenes, coumarone-indene resins, and non-heat advancing phenolic resins. vinyl aromatic, pinene, acrylic acid, vinyl acetate, and ketone resins and copolymers of vinyl chloride, and maleic acid. Liquid tackifying resins such as low molecular weight polybutenes or polyisobutylenes, may also be used. Fire retardant properties may be imparted by the addition of a halogenated aromatic compound together with an antimony trioxide or alternatively by the use of phosphorous or nitrogen-containing fire retardant materials. Numerous organic fillers are listed which may be present in the mixtures and waxes and metal soaps may also be present.

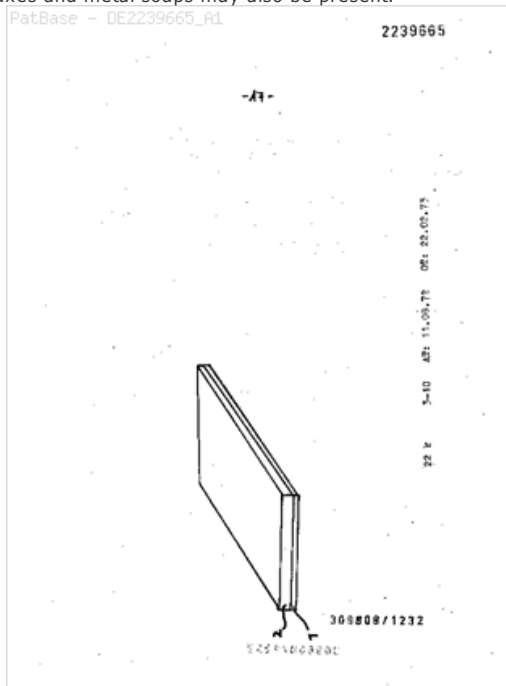
Classifications:

International (IPC 8-9): C09J157/00 C09J7/02 (Advanced/Invention); C09J157/00 C09J7/02 (Core/Invention)

International (IPC 1-7): C09J7/02 C09K3/10 E04B1/00 E04B1/62 E04B1/94 E04D3/35

CPC: C09J7/22 C09J7/38 C09J7/28 C09J157/00 C08L2666/02 C08L2666/54

European: C09J157/00 C09J7/02K4 C09J7/02K9B C09J7/02K9D



Family:

Publication number	Publication date	Application number	Application date
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Priority:

GB19710037880 19710812 GB19770040510 19770929

Probable Assignee: EVODE LTD

Assignee(s): (std): EVODE LTD

Assignee(s): EVODE LTD STAFFORD GROSSBRITANNIEN ; WELCH MALCOLM J ; BATES ROBERT ; COOKSLEY MICHAEL V ; COUNSELL PATRICK JC ; EVODE LIMITED

Inventor(s): (std): BATES ROBERT ; COOKSLEY MICHAEL V ; COUNSELL PATRICK J C ; WELCH MALCOLM J ; COUNSELL CLAUDE ; COOKSLEY MICHAEL VICTOR ; WELCH MALCOLM JAMES ; DENSON JOHN MICHAEL

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11) Family number: 33287297 (US2006191232A)

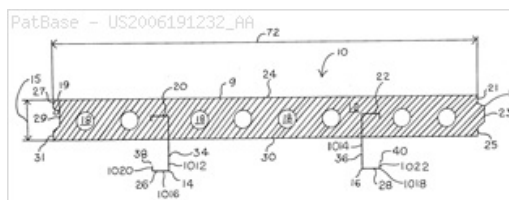
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Title: COMPOSITE PRE-FORMED BUILDING PANELS

Abstract: A composite building panel including a central body, substantially parallelepipedic in shape, comprised of an expanded polymer matrix, having opposite faces, a first surface and an opposing second surface; and one or more reinforcing members longitudinally extending across the central body between said opposite faces, having a first side portion embedded in the expanded polymer matrix, and a second side portion extending away from the first surface of the central body and one or more expansion holes located in the reinforcing member between the first side portion of the reinforcing member and the first surface of the central body. The central body includes a polymer matrix that expands through the expansion holes; and a space defined by the first surface of the central body and the second side portion of the reinforcing members is adapted for accommodating utilities through the space.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/02 B28B13/00 B28B23/04 B28B3/00 B28C5/08 B32B B32B15/01 B32B15/20 B32B3/00 B32B3/12 B32B3/26 B32B5/14 B32B5/16 B32B7/12 C04B C04B11/00 C04B12/00 C04B14/00 C04B14/02 C04B14/08 C04B14/12 C04B14/18 C04B14/22 C04B14/38 C04B14/42 C04B14/48 C04B16/00 C04B16/06 C04B16/08 C04B18/04 C04B18/06 C04B18/08 C04B18/14 C04B22/04 C04B24/00 C04B24/12 C04B24/16 C04B24/24 C04B24/26 C04B24/28 C04B24/36 C04B28/00 C04B28/04 C04B28/06 C04B28/08 C04B38/00 C04B38/08 C04B40/00 C04B7/00 C04B9/00 C08B24/26 C08J9/00 C08J9/16 C08J9/22 C08K3/00 E01C3/00 E04B E04B1/00 E04B1/18 E04B2/86 E04B5/19 E04B5/48 E04C E04C1/00 E04C2/04 E04C2/22 E04C2/26 E04C2/288 E04C2/34 E04C2/38 E04C2/52 E04C5/08 E04F13/074 E04F13/18 E04F15/02 E04G11/36 E04G21/14 (Advanced/Invention); C04B11/40 C04B14/02 C04B14/08 C04B14/10 C04B14/12 C04B14/16 C04B14/18 C04B14/20 C04B14/22 C04B14/38 C04B14/42 C04B16/06 C04B18/04 C04B18/08 C04B18/10 C04B18/14 C04B18/16 C04B24/26 (Advanced/Non-invention); B28B13/00 B28B23/02 B28C5/00 B32B15/01 B32B15/20 B32B3/00 B32B3/12 B32B3/26 B32B5/14 B32B5/16 B32B7/12 C04B11/00 C04B12/00 C04B14/00 C04B14/02 C04B14/38 C04B16/00 C04B18/04 C04B22/00 C04B24/00 C04B28/00 C04B38/08 C04B7/00 C04B9/00 C08J9/00 C08K3/00 E01C3/00 E04B5/17 E04C1/00 E04C2/10 E04C2/26 E04C2/34 E04C2/52 E04C5/00 (Core/Invention); C04B14/02 C04B14/38 C04B18/04 C04B24/00 (Core/Non-invention); C04B E04B E04C (Subclass/Invention)



International (IPC 1-7): C04B16/08 C04B20/00 C04B28/02 C04B38/00 C04B38/08 C08J E04B5/19 E04C1/00
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Family:

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Probable Assignee: SYNTHEON INC

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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 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 YU ZA ZM ZW

12) Family number: 21525409 (GB882296A)

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Title: A COMPOSITE FOAM AND MINERAL PRODUCT AND METHODS FOR PRODUCING SAME

Abstract: 882,296. Agglutinated fibrous materials; laminates; coated fabrics. OWENS-CORNING FIBERGLAS CORPORATION. March 6, 1958 [March 14, 1957; March 18, 1957]. No. 7266/58. Class 140. [Also in Group X] A method of producing a composite structure of fibrous vitreous mineral material and set foamed material comprising the step of bringing setttable foamable material into association with a mass of fibrous, vitreous mineral material intermeshed and/or bonded to an extent such that the mass has bodily integrity and causing the foamable material to foam inside and throughout the mass of fibrous material and then causing the foam to set. Specified fibres are glass wool and mineral wool. A preliminary binder may be used to increase the bodily integrity of the mass of fibres before application of the foam. Specified preliminary binders are phenol-, urea-, or melamine-aldehyde resins, polyesters, epoxy resins, silicones, furfurals, gelatin formaldehydes, polyamides, coumarone indenenes, polyvinylidene chloride, cellulose acetate, ethyl cellulose, alkyds, cellulose acetobutyrate, natural rubber, polychloroprene, polybutadiene, polybutene, styrene-butadiene copolymers, butadiene acrylonitrile

copolymers, polysulphide elastomers, starch, albumen, casein, carboxymethyl cellulose, polyvinyl pyrrolidone, terpenes, shellac, asphalt, natural glues, mineral and vegetable oil. The foamable material may consist of a binder with a gas-producing agent dispersed in it or containing solidified gas or gas under pressure. Specified binders are phenol formaldehyde partial condensation product, urea-aldehyde partial condensation products, melamine aldehyde partial condensation products, resorcinol aldehyde partial condensation products, epoxy resins, silicones, furfuryl-aldehyde partial condensation products, gypsums, Portland cement, magnesium oxysulphate, magnesium oxychloride, zinc oxysulphate, zinc oxychloride, magnesium oxyphosphate, zinc oxyphosphate, aluminite cement, calcium silicate, aluminium silicate, pozzuolanic cement, colloidal silicic acid, polyvinyl acetates, polyvinyl alcohols, polyvinyl chlorides, polyvinyl butyrals, polyethylenes, polystyrenes, polyamides, coumarone indenenes, polyvinylidene chlorides, cellulose acetates, ethyl cellulose, asphalt, polymethyl methacrylates, polyethylmethacrylates, cellulose acetobutyrate, terpenes, shellac, gelatin formaldehyde materials, casein, carboxymethyl cellulose, polyvinylpyrrolidone, natural rubber, polychloroprene, polybutadiene, polybutene, acrylonitrile, butadiene - acrylonitrile copolymers, polysulphide elastomers, magnesium sulphate heptahydrate. Specified gas-producing agents are ammonium carbonate, sodium bicarbonate, dinitrosopentamethylene - tetramine, N,N¹ -dimethyl N,N¹ -dinitroso-terephthalamide, and p,p¹ -oxy-bis-(benzene sulphonyl hydrazide). A volatile solvent such as water or isopropyl ether can also be mixed with the binder and vaporized by heat to cause foaming. Suitable materials which will react to form a gas are aluminium or magnesium and an acid or alkali or calcium carbonate and an acid. Finelydivided solid carbon dioxide may be dispersed in the binder. Polymethane foamable binders, comprising a polyester, an isocyanate and an amine accelerator in presence of water, may be used. The fibres may be coated with a release agent such as a silicone prior to application of the foamable material; in which case the foamed material becomes intimately associated with the fibres but is not bonded thereto. As shown in Fig. 1, a mass of mineral fibres 30, is disposed within a closed mould 31, and associated with a foamable binder 32. Upon foaming, the binder 32 is distributed throughout the fibrous mass 30 and fills the mould as shown in Fig. 2. As shown in Fig. 7, a mass of fibres 82 is interlocked by a preliminary binder 83 and intimately associated with a foamed and set material 84. As shown in Fig. 4, two masses 64 and 65 of intermeshed mineral fibres are brought together to form the mass 61 which is thereupon introduced into a zone between cooperating impervious conveyers 59 and 60. Foamable material or a binder may be introduced by spray nozzle 66 into the nip between masses 64 and 65. Foamable material or a non-foamable settable material may be introduced by pipes 62 and 63 into the nips between mass 61 and conveyers 60 and 59 respectively. By introducing foamable material through spray 66 and non-foamable settable material through pipes 62 and 63 a product as shown in Fig. 6 is produced comprising set surface layers 69 and 70. The method of the invention can be modified so that three or more bodily separate masses of intermeshed mineral fibres are brought together; and a web or sheet of cellulose acetate or polyethylene can be introduced between each pair of adjacent masses of fibre to produce lamina structures. As shown in Fig. 9, the product comprises layers 118, 119 and 120 of intermeshed fibres and webs or films 121, 122, 123 and 124. The layers 118, 119 and 120 may be associated with a foamed material or one or more of these layers may not be so associated. Webs 121 and 124 may be sheets of hardened, flexible or elastomeric material, or hardened resinous material which has impregnated layers 118 and 120 to a limited degree or they may be metal. Webs 122 and 123 may be of any desired practical material. The fibres may be pretreated with wetting agents. Anti-oxidants, fire-proofing agents and fillers may be added to the foamable material to modify the properties of the product.

Classifications:

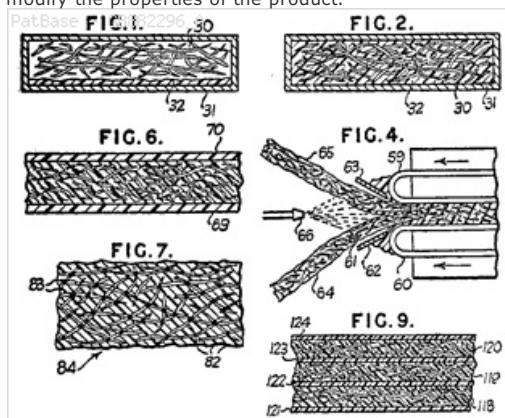
International (IPC 8-9): B29C44/12 B29C44/24 B29C44/32 B29C70/00 B32B27/00 C04B26/12 C04B28/30 C08J9/00 E04C2/20 (Advanced/Invention);

B29C44/00 B29C44/02 B29C70/00 B32B27/00 C04B26/00 C04B28/00 C08J9/00 E04C2/10 (Core/Invention)

International (IPC 1-7): B29D27/00 B29J5/00 B68G5/02 C04B43/02 C08J9/00 D21H3/50

CPC: B29C44/326 B29C44/328 E04C2/205 B29C44/12 B29C44/24 B29C70/00 B29K2105/06 B29K2309/08 B29L2007/00 B29L2009/00 B32B27/00 C04B26/122 C04B28/30 C08J9/0085

European: B29C44/12 B29C44/24 B29C44/32 B29C70/00 B32B27/00 C04B26/12B C04B28/30 C08J9/00N E04C2/20B L29K105/06 L29K309/08 L29L7/00 L29L9/00



Family:

Publication number	Publication date	Application number	Application date
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FR1199550 A	19591215		19580304
GB882296 A	19611115	GB19580007266	19580306

Priority:

US19570646143 19570314 US19570646707 19570318

Probable Assignee: OWENS CORNING FIBERGLASS CORP

Assignee(s): (std): OWENS CORNING FIBERGLASS CORP

Assignee(s): OWENS CORNING FIBERGLAS CORP

Inventor(s): (std): F SHANNON RICHARD ; L MORGAN WILLARD ; R MORRISON ALBERT ; SLAYTER GAMES ; W GILLAM GEORGE

13) Family number: 1214512 (US3850650A)

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Title: PRODUCTION OF SILICATE FOAMS

Abstract: The present invention relates to a process for the production of a foam having a silicate skeleton which comprises mixing in aqueous solution a water soluble silicate, a hardener which liberates acid in water and a foaming agent. It is preferred to use as silicate solution a sodium waterglass solution, as hardeners those liberating CO₂, carboxylic acids, sulfonic acids or mineral acids and as foaming agents optionally halogen-substituted alkanes and alkenes, and dialkyl ethers.

Classifications:

International (IPC 8-9): C01B33/32 C04B24/00 C04B28/26 C04B38/00 C04B38/02 (Advanced/Invention); C01B33/00 C04B24/00 C04B28/00 C04B38/02 (Core/Invention)

International (IPC 1-7): B01F3/22 B32B17/06 B32B27/04 B32B27/30 B32B5/20 B32B5/28 C01B33/12 C01B33/20 C01B33/32 C04B21/00 C04B21/02 C04B35/16 C04B43/00 C09D11/02

CPC: C01B33/32 C04B24/005 C04B28/26 C10M2201/105 C10N2240/402 C10N2240/403 C10N2240/404 C10N2240/405 C10N2240/406 C10N2240/407 C10N2240/408 C10N2240/409 C04B38/02

European: C01B33/32 C04B24/00F C04B28/26 C04B38/02 M10M201/105 M10N240/402 M10N240/403 M10N240/404 M10N240/405 M10N240/406 M10N240/407 M10N240/408 M10N240/409

US: 106/602 106/603 106/7.5 521/89

JP F-Term: 4G019 4G073 4G073/BA04 4G073/BA05 4G073/BA11 4G073/BA62 4G073/BA80 4G073/BA81 4G073/BB02 4G073/BB03 4G073/BB08 4G073/BB11 4G073/BB15 4G073/BB18 4G073/BB25 4G073/BB27 4G073/BB29 4G073/BB34 4G073/BB35 4G073/BB36 4G073/BB44 4G073/BD16 4G073/BD19 4G073/BD21 4G073/CB11 4G073/FB19 4G073/GA16

Family:

Publication number	Publication date	Application number	Application date
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FR2169895 A1	19730914	FR19720046954	19721229
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FR2187722 A2	19740118	FR19730020769	19730607
FR2187722 B2	19771230	FR19730020769	19730607
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GB1432055 A	19760414	GB19730027163	19730607
IT974410 A	19740620	IT19720055146	19721229
JP48078226 A2	19731020	JP19730004211	19721230
JP49062531 A2	19740618	JP19730063412	19730607
NL7217840 A	19730703	NL19720017840	19721229
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US3864137 A	19750204	US19730363671	19730524

Priority:

DE19712165912 19711231 DE19722214609 19720325 DE19722227608 19720607
 US19720318068 19721226 BE19720793516 19721229 US19730363671 19730524

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG DT ; BAYER AKTIENGESSELLSCHAFT ; BAYER AG 5090 LEVERKUSEN ; BAYER 5090 LEVERKUSEN AG ; BAYER A G ; BAYER A G A LEVERKUSEN ALLEMAGNE

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Inventor(s): VON GIZYCKI U DT ; VON BONIN W DT ; NEHEN U DT

14) Family number: 1171538 (GB1491730A)

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Title: PRODUCTION OF PHENOL-FORMALDEHYDE RESINS

Abstract: 1491730 Foamed phenol-formaldehyde resins SOC CHIMIQUE DES CHARBONNAGES 27 Dec 1974 [28 Dec 1973] 55969/74 Headings C3C and C3R A foamed phenol-formaldehyde resin is made by reacting phenol with formaldehyde in the presence of a base, concentrating the resulting resol to form a product having a dry extract content (measured as defined) of at least 85 percent and a viscosity at 20° C. of above 1,000 poise, mixing the product at 50-72° C. with a blowing agent and a low activity acid catalyst (i.e. an acid hardening catalyst which is insufficiently active to cause hardening of the resin at 50-72° C., and blowing and hardening the mixture at 80-120° C. In the examples phenol and formaldehyde were reacted in the presence of sodium hydroxide and the mixture was neutralized with hydrochloric acid and the resin either decanted or passed through an ion exchange column, and then concentrated under reduced pressure after optional addition of polyethoxylated castor oil, the product is then mixed with hexane or heptane and phosphonic acid or the acid sulphate of triethylene glycol, and optionally triethylene glycol or a silicone surfactant and the mixture is cast in a mould; in Example 6 a foam was produced continuously and fed on to a support which was passed through an oven.

Classifications:

International (IPC 8-9): C08J9/04 C08J9/14 C08L61/10 (Advanced/Invention);
 C08J9/00 C08L61/00 (Core/Invention)

International (IPC 1-7): C08G37/06 C08G53/08 C08G53/10 C08G8/10 C08J9/00 C08J9/04 C08J9/06 C08J9/12 C08J9/14
 C08L61/06 C08L61/10 E04B1/74

CPC: C08J9/04 C08J2361/10

European: M08J361/10

JP F-Term: 4F074/AA60 4F074/AB02 4F074/AB05 4F074/AD04 4F074/AG02 4F074/BA35 4F074/BA40 4F074/BA86 4F074/BC02 4F074/BC05 4F074/CA23 4F074/CC06 4F074/CC22 4F074/CC32 4F074/DA02 4F074/DA08 4F074/DA32 4F074/DA54

JP F-Index: C08J9/04/CFB

Family:

Publication number	Publication date	Application number	Application date
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BR7410805 A0	19750902	BR19740010805	19741226
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DE2461661 C2	19850131	DE19742461661	19741227
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NO141900 B	19800218	NO19740004681	19741227
NO141900 C	19800528	NO19740004681	19741227
NO744681 A	19750728	NO19740004681	19741227
SE415188 B	19800915	SE19740016153	19741220
SE415188 C	19810115	SE19740016153	19741220
SE7416153 A	19750630	SE19740016153D	19741220
ZA7408258 A	19760225	ZA19740008258	19741230

Priority:

FR19730046997 19731228 BE19750054094 19750120

Probable Assignee: CHARBONNAGES STE CHIMIQUE

Assignee(s): (std): CHIMIQUE DE CHARBONNAGES SA SO ; CHARBONNAGES SOC ME SOC CH ; CHARBONNAGES SOCIETE ME SOC CH ; CHARBONNAGES STE CHIMIQUE ; DES CHARBONNAGES SOC CHIMI SA ; CHIMIQUE DE CHARBONNAGES SO SA ; DES CHARBONNAGES SA SOC CHIMI

Assignee(s): CHIMIQUE DES CHARBONNAGES ; ANONYME CHIMIQUE DES CHARBONNAGES SOC ; CHARBONNAGES STE CHIMIQUE FR ; CHIMIQUE DES CHARBONNAGES SOC ; CHIMIQUE DES CHARBONNAGES SA SOC ; SOC CHIMI DES CHARBONNAGES ; SOCIETE CHIMIQUE DES CHARBONNAGES ; SOC CHIMIQUE DES CHARBONNAGES S A ; SOCIETE CHIMIQUE DE CHARBONNAGES SA ; SOCIETE CHIMIQUE DES CHARBONNAGES S A ; SA DITE SOCIETE CHIMIQUE DES CHARBONNAGES ; SOC CHIMIQUE DES CHARBONNAGES SA ; SOCIETE ANONYME DITE SOCIETE CHIMIQUE DES CHARBONNAGES ; SOCIETE CHIMIQUE DES CHARBONNAGES PARIS HAUTS DE SEINE FR ; SOCIETE CHIMIQUE DES CHARBONNAGES SOCIETE ME TE PARIJS ; MOTTEZ PAUL

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Inventor(s): MOTTEZ PAUL LOISON SOUS LENS FR ; P MOTTEZ ; PAUL MONTEZ ; PAUL MOTTEZ

15) Family number: 33994556 (US2006280907A)

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Title: NOVEL MINERAL COMPOSITION

Abstract: A mineral composition that contains at least about 90 weight percent of headlap granules, at least about 50 weight percent of calcium carbonate, less than about 100 parts per million of a metal selected from the group consisting of arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver, and less than about 100 parts per million of a polycyclic aromatic hydrocarbon. This composition, when tested in accordance with ASTM Standard Test D 4977-03, loses less than 5 grams of material.

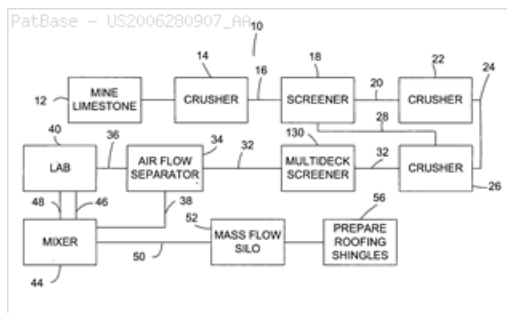
Classifications:

International (IPC 8-9): B05D7/00 B32B37/00 C08K9/04 C09D4/00 C09D5/00 D06N7/04 E01F9/04 E04D7/00 (Advanced/Invention); C09D4/00 C09D5/00 D06N7/00 E01F9/04 E04D7/00 (Core/Invention)

CPC: Y10T428/2438 Y10T428/24372 C04B18/067 C04B26/26 E04D1/22 C04B2111/00612 A01N59/16 C04B18/02 C04B2103/0043 C04B2111/00586 E04D2001/005 Y02W30/92 C08K9/04 Y10T428/2982 Y10T428/2991 E04D1/20 E04D7/005

European: A01N59/16 C04B18/02 C04B18/06S C04B26/26 E04D1/20 E04D1/22 E04D13/00A M04B103/00N10 M04B111/00T4 M04B111/00T6 P04D1/00G

US: 106/15.05 106/15.050S 106/18.36 106/18.360P 106/284.04 106/285 106/285S 106/738 106/817 156/62.2 156/62.200S 427/221 427/221S 428/141 428/143 428/143P 428/144 428/144P 428/144S 428/195.1 428/206 428/208 428/402 428/403 523/122 523/122S



Family:

Publication number	Publication date	Application number	Application date
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US2007104923 AA	20070510	US20060638618	20061213
US2008173212 AA	20080724	US20070999205	20071204
US2010203290 AA	20100812	US20100657528	20100122
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US2015284544 AA	20151008	US20150545281	20150416
US7651559 BB	20100126	US20070999205	20071204
US8771826 BB	20140708	US20100657528	20100122
WO06133384 A2	20061214	WO2006US22389	20060607
WO06133384 A3	20070322	WO2006US22389	20060607
WO08076279 A1	20080626	WO2007US25408	20071212

Priority:

US20050688460P 20050608 US20050266833 20051104 US20060405966 20060418
US20060638618 20061213 US20070999205 20071204 US20100657528 20100122
US20100927442 20101115 US20110066571 20110418 US20150545281 20150416

Probable Assignee: LHOIST NORTH AMERICA INC

Assignee(s): (std): BRANN RICHARD ; BRANN RICHARD W ; COBURN DENNIS R ; DOWNING RANDALL P ; WHITAKER ROBERT ; FRANKLIN IND MINERALS ; SMITH ALLEN E ; WHITAKER ROBERT H ; HOIST NORTH AMERICA INC L

Assignee(s): FRANKLIN INDUSTRIAL MINERALS ; LHOIST NORTH AMERICA INC ; L HOIST NORTH AMERICA INC ; FRANKLIN IND ; FRANKLIN IND INC

Inventor(s): (std): BRANN RICHARD W ; COBURN DENNIS R ; SMITH ALLEN E ; WHITAKER ROBERT H ; WHITAKER ROBERT ; DOWNING RANDALL P ; BRANN RICHARD

Agent(s): HOWARD J GREENWALD PC ; HOWARD J ; GREENWALD HOWARD J

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Coating composition comprising oxides and/or hydroxides of Mg{hu {30 {30 {b, Ca{hu {30 {30 {b, chromium, manganese, and Zn{hu {30 {30 {0 {b and quaternary ammonium silicates useful for building materials

Abstract: A coating composition for building materials which comprises 100 parts by weight of a quaternary ammonium silicate having a silica content, calculated as SiO₂, of 5 to 70 percent by weight, 2 to 200 parts by weight of a metal oxide and/or hydroxide capable of converting silica sol to silica gel and water in an amount sufficient to plasticize said composition.

Classifications:

International (IPC 8-9): C09D1/02 C09D5/00 (Advanced/Invention)

International (IPC 1-7): C04B13/24 C04B19/02 C04B19/04 C08F45/24 C08K3/00 C08L25/14 C09D1/00 C09D1/02 C09D5/00

CPC: C04B12/04 C04B28/24

European: C04B12/04 C04B28/24

US: 106/272 106/287.11 106/287.13 106/287.18 106/287.24 106/801 260/29.6S 524/5

JP F-Term: 4G012 4G012/PB03 4G012/PC10 4G012/PC11 4G012/PC12 4G012/PC13 4G012/PC14 4G013 4G013/AB03 4G013/AC10 4G013/AC11 4G013/AC12 4G013/AC13 4G013/AC14 4G112 4G112/PB03 4G112/PC10 4G112/PC11 4G112/PC12 4G112/PC13 4G112/PC14 4J038 4J038/AA01/1 4J038/HA19/1 4J038/HA19/2 4J038/HA19/6 4J038/HA46/1 4J038/HA46/2 4J038/KA20 4J038/NA01 4J038/NA02 4J038/NA03 4J038/NA04 4J038/NA12 4J038/PA06 4J038/PA18 4J038/PB05 4J038/PC02 4J038/PC04 4J038/PC10

JP F-Index: C04B28/24 C09D1/02 C09D5/00 C09D5/00/Z

JP Facet: PCL PPB

Family:

Publication number	Publication date	Application number	Application date
DE2617685 A1	19761230	DE19762617685	19760423
DE2617685 B2	19790125	DE19762617685	19760423
DE2617685 C3	19790920	DE19762617685	19760423
JP51124131 A2	19761029	JP19750049434	19750423
JP53024211 B4	19780719	JP19750049434	19750423
US4059553 A	19771122	US19760678577	19760420

Priority:

JP19750049434 19750423

Probable Assignee: KIKUSUI KAGAKU KOGYO KK

Assignee(s): (std): KIKUSUI KAGAKU KOGYO KK ; NISSAN CHEMICAL IND LTD

Assignee(s): NISSAN KAGAKU KOGYO K K ; NISSAN KAGAKU KOGYO K K TOKIO ; NISSAN KAGAKU KOGYO KK ; KIKUSUI KAGAKU KOGYO K K ; KIKUSUI KAGAKU KOGYO K K NAGOYA AICHI ; KIKUSUI KAGAKU KOGYO KABUSHIKI KAISHA

Inventor(s): (std): YOSHIDA AKITOSHI ; TOHYAMA MASAO ; TOHYAMA MASAO ; SUZUKI TAKESHI ; NAKASU MAKOTO ; NAGOYA AICHI ; KOSAKA MASAHARU ; INOUE SHIGEKI ; ICHIKO MINORU ; ICHIGO MINORU ; HAYASI NORIHISA ; HAYASHI MORIHISA ; ANDOU AKINOBU ; ANDO AKINOBU

Inventor(s): ANDO AKINOBU TAJIMI GIFU ; INOUE SHIGEKI FUNIBASHI ; NAKASU MAKOTO IWAKURA AICHI ; SUZUKI TAKESHI AICHI ; YOSHIDA AKITOSHI CHIBA

Title: Polymer additives for forming objects

Abstract: The present invention relates to novel methods and compositions related to polymer concrete comprising conventional resins with novel additives to prevent shrinking and cracking of the resin, to accelerate curing and to treat fillers. These compositions and methods can be employed to form large objects and objects of irregular shapes. These compositions and methods provide lightweight materials some of which are hard and inflexible, while others are hard and flexible.

Classifications:

International (IPC 8-9): C04B26/02 C08F257/02 C08F265/06 C08F291/00 C08G18/30 C08J3/20 C08J5/00 C08J5/04 C08J5/08 C08K13/02 C08K13/04 C08K3/00 C08K3/16 C08K3/24 C08K3/40 C08K5/00 C08K5/07 C08K7/14 C08K9/04 C08L1/08 C08L1/10 C08L101/00 C08L25/04 C08L31/04 C08L33/00 C09C3/08 (Advanced/Invention);

C08K3/40 (Advanced/Non-invention);

C04B26/00 C08F257/00 C08F265/00 C08F291/00 C08G18/00 C08J5/04 C08K3/00 C08K5/00 C08K7/00 C08L1/00 C08L101/00 C08L25/00 C08L31/00 C08L33/00 C09C3/08 (Core/Invention)

International (IPC 1-7): C04B16/02 C04B26/02 C08F257/02 C08F265/06 C08F291/00 C08G18/30 C08J3/20 C08J5/00 C08J5/04 C08J5/08 C08K13/02 C08K3/40 C08K5/00 C08K5/04 C08K5/34 C08K9/04 C08L1/08 C08L1/10 C08L1/26 C11D15/04 C11D7/08 C11D7/54 C11D9/00 C11D9/32

CPC: C08K3/16 C08K3/24 C08K5/07 C04B26/02 C04B2111/34 C08F257/02 C08F265/06 C08F291/00 C08K5/0008 C08K3/40

European: C04B26/02 C08F257/02 C08F265/06 C08F291/00 C08K3/16 C08K3/24 C08K3/40 C08K5/00P C08K5/07 M04B111/34

US: 524/104 524/190 524/236 524/354 524/386 524/434 524/435

JP F-Term: 4J002 4J002/AH00 4J002/BL01 4J002/CC04 4J002/CC18 4J002/CC21 4J002/CD02 4J002/CD05 4J002/CD06 4J002/CF01 4J002/CL00 4J002/CP14 4J002/DA06 4J002/DE13 4J002/DE14 4J002/DE19 4J002/DE23 4J002/DJ00 4J002/DJ01 4J002/DJ02 4J002/DL00 4J002/EB04 4J002/EC04 4J002/EE01 4J002/EH07 4J002/EK04 4J002/EU02 4J002/EV02 4J002/FB00 4J002/FD01 4J002/GL02 4J037 4J037/AA04 4J037/AA10 4J037/AA17 4J037/AA18 4J037/AA22 4J037/AA25 4J037/AA27 4J037/AA30 4J037/CA05 4J037/CA08 4J037/CA14 4J037/CB04 4J037/CB08 4J037/CB09 4J037/CB12 4J037/CB16 4J037/CB18 4J037/CB19 4J037/CB21 4J037/DD19 4J037/EE08 4J037/EE28 4J037/FF17 4F072 4F072/AA07 4F072/AA08 4F072/AB09 4F072/AD02 4F072/AD03 4F072/AD20 4F072/AD24 4F072/AD37 4F072/AD43 4F072/AD46 4F072/AD47 4F072/AE03 4F072/AG22 4F072/AL06 4F072/AL14 4J002/AC03 4J002/AC11 4J002/BF05 4J002/BJ00 4J002/CC03 4J002/CC15 4J002/CC16 4J002/CD00 4J002/CF00 4J002/CK02 4J002/CN02 4J002/CP03 4J002/DE03 4J002/EA04 4J002/EG04 4J002/EH04 4J002/EK00 4J002/EK07 4J002/EV23 4J034 4J034/CA02 4J034/CA04 4J034/CA13 4J034/CB01 4J034/CB03 4J034/CB07 4J034/CC03 4J034/CC12 4J034/CC52 4J034/CC61 4J034/CC65 4J034/DA01 4J034/DA05 4J034/DB03 4J034/DB04 4J034/DB07 4J034/DG03 4J034/DG08 4J034/DP02 4J034/DP17 4J034/DP18 4J034/EA11 4J034/EA12 4J034/HA01 4J034/HA07 4J034/KA01 4J034/KB02 4J034/KB04 4J034/KC17 4J034/KD02 4J034/KD22 4J034/KE02 4J034/LA13 4J034/LA33 4J034/MA01 4J034/MA29 4J034/QB01 4J034/QB06 4J034/QB10 4J034/QB11 4J034/QB14 4J034/QB16 4J034/QB17 4J034/QD03 4J034/RA02 4J034/RA03 4J034/RA07 4J034/RA10 4J034/RA12

JP F-Index: C08K3/00 C08K3/013 C08K5/00 C08L1/10 C08L101/00 C09C3/08 C08G18/08/038 C08G18/24 C08G18/30/Z C08G18/66/007 C08J5/04 C08K7/14 C08L25/04 C08L31/04/B C08L33/00

Family:

Publication number	Publication date	Application number	Application date
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AU199744199 A1	19980402	AU19970044199	19970915
AU200071816 A1	20010208	AU20000071816	20001124
AU200071816 A5	20010208	AU20000071816	20001124
CA2231836 AA	19980312	CA19962231836	19960913
CA2266054 AA	19990311	CA19972266054	19970915
EP0863939 A1	19980916	EP19960932237	19960913
EP0863939 A4	20010627	EP19960932237	19960913
EP0925327 A1	19990630	EP19970942516	19970915
EP0925327 A4	20011017	EP19970942516	19970915
JP11513414 T2	19991116	JP19970512178T	19960913
JP2001500553 T2	20010116	JP19980513987T	19970915
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US5883164 A	19990316	US19960675183	19960703
WO9710289 A1	19970320	WO1996US14846	19960913
WO9811159 A1	19980319	WO1997US16439	19970915

Priority:

US19950003717 19950913 US19950003717P 19950913 US19960675183 19960703
US19960690615 19960731 WO1996US14846 19960913 US19960754497 19961120
WO1997US16439 19970915 AU20000071816 20001124

Probable Assignee: KT HOLDINGS LLC

Assignee(s): (std): KATOOT MOHAMMAD W ; MOHAMMAD W KATOOT ; KATOOT MOHAMMED W

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Inventor(s): (std): KATOOT MOHAMMAD ; KATOOT MOHAMMED W ; KATOOT MOHAMMAD W

Inventor(s): MOHAMMAD KATOOT ; MOHAMMAD W KATOOT

Agent(s): FB RICE; FB RICE PTY LTD; FINLAYSON AND SINGLEHURST

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB
GE GH GN GR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MR MW
MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TG TJ TM TR TT UA UG US UZ VN YU ZW

18) Family number: 2151673 (DE2526598A1)

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Title: MODIFIED MAGNESIUM OXYCHLORIDE CEMENTS FOR VARIOUS APPLICATIONS - CONTG. MAGNESIUM OXIDE, MAGNESIUM CHLORIDE, FILLERS AND OTHER ADDITIVES

Abstract: Hardenable or spontaneously hardening matls. contain (a) MgO, (b) MgCl₂, (c) inert filler(s), and (d) additive(s) such as alum, asbestos, silicic acid powder, silicones, barium sulphate (pref.), melamine resin with NH₄Cl, corundum powder, porcelain powder, granulated refractories, talc, chalk, iron oxides, linseed oil, oleic acid and alumina with CuSo₄ (pref.). MgCl₂ can be replaced fully or partly by FeCl₂, ZnCl₂, CaCl₂, MgSo₄, FeSo₄, ZnSO₄, and by fillers (c) and additives (d). Combinations of chlorides and sulphates of Mg, Fe or Zn are prefd. The filler is pref. added in an amt. of 0.25 pt. wt. of 0.25-0.59 mm. particles and 4 pts. wt. of 74 mu particles per 1 pt. wt. of MgO. These cement-like matls. have a very wide applicn. range comprising Portland cement-substitution in heavy constructions, furniture, household ware, wall panels, flame-resistant linings, decorations, artificial jewellery, ceramic paints, electro-insulations, artificial grave stones, etc. They can be readily and rapidly moulded as desired; their physical props., such as strength, elasticity, hardness, toughness, refractoriness, porosity, frictional props., antiseptic action, etc., can be selectively improved by suitably modifying the compsn.

Classifications:

International (IPC 8-9): C04B28/30 C04B28/32 (Advanced/Invention);

C04B28/00 (Core/Invention)

International (IPC 1-7): C04B13/00 C04B13/06 C04B13/20 C04B13/22 C04B13/24 C04B15/00 C04B17/00 C04B17/01

C04B25/06

CPC: C04B28/30

European: C04B28/30

JP F-Term: 4G012 4G012/PA03 4G012/PA11 4G012/PA14 4G012/PA16 4G012/PA25 4G012/PA26 4G012/PA34 4G012/PB03 4G012/PB04 4G012/PB06 4G012/PB10 4G012/PB18 4G012/PB26 4G012/PB34 4G012/PB41 4G012/PC01 4G012/PC07 4G012/PC11 4G012/PC12 4G012/PC13 4G012/PC14 4G012/PC15 4G112 4G112/PA03 4G112/PA11 4G112/PA14 4G112/PA16 4G112/PA25 4G112/PA26 4G112/PA34 4G112/PB03 4G112/PB04 4G112/PB06 4G112/PB10 4G112/PB18 4G112/PB26 4G112/PB34 4G112/PB41 4G112/PC01 4G112/PC07 4G112/PC11 4G112/PC12 4G112/PC13 4G112/PC14 4G112/PC15

JP F-Index: C04B28/32

Family:

Publication number	Publication date	Application number	Application date
DE2526598 A1	19760108	DE19752526598	19750613
JP51091936 A2	19760812	JP19750070978	19750613
SE7506849 A	19751222	SE19750006849D	19750616

Priority:

US19740481538 19740621

Probable Assignee: PARIS GRAY CHARLES W

Assignee(s): (std): PARIS GRAY CHARLES W

Inventor(s): (std): PARIS GRAY CHARLES W

Inventor(s): W PARIS GRAY CHARLES

19) Family number: 56193675 (US2014096704A)

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Title: MAGNESIUM PHOSPHATE CEMENT

Abstract: Magnesium phosphate cement binder systems and method for providing magnesium phosphate cements are described. In an embodiment, a magnesium phosphate cement binder system may include magnesium oxide that has been

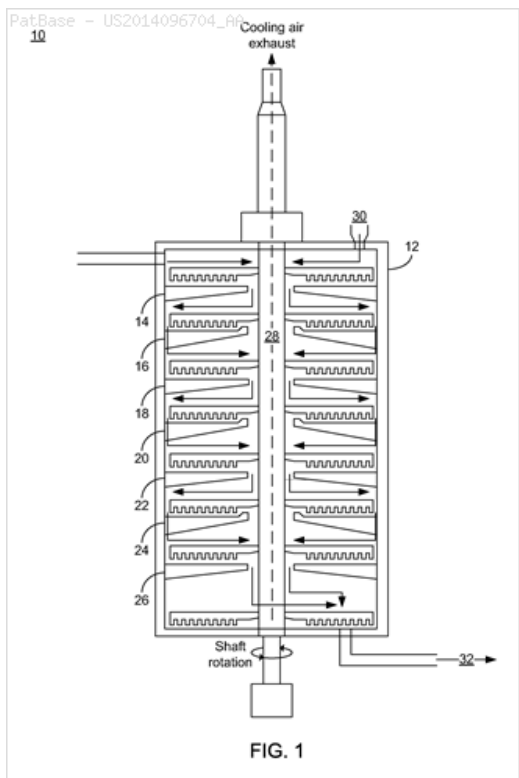
calcined at a temperature of between about 900 degrees Fahrenheit to about 1800 degrees Fahrenheit The magnesium phosphate cement binder system may also include a phosphate material. Other formulations, compositions, and methods are also described.

Classifications:

International (IPC 8-9): B05D1/02 B05D1/28 B05D1/30 C04B12/02 C04B14/30 C04B2/10 C04B28/34 C04B9/04 C04B9/20 (Advanced/Invention)

CPC: B05D1/305 C04B12/025 C04B2111/00482 C04B2111/00577 C04B2/102 C04B14/304 C04B28/34 C04B20/1018 C04B20/023 C04B20/107 C04B14/047 C04B22/0013 C04B22/004 C04B22/06 C04B24/04 C04B24/06 C04B24/123 C04B24/18 C04B24/38 C04B40/0075 C04B40/0633 C04B20/1051 C04B2/00 C04B20/1025 C04B20/1029 C04B28/342 C04B2111/00586 C04B2111/00612 C04B2111/0062 C04B2111/00724 C04B2111/0075 C04B2111/00767 C04B2111/28 C09K8/493 B05D1/02 B05D1/28 Y02W30/91 Y02W30/92

US: 106/666 106/690 106/691 427/180 427/420 427/421.1 427/428.01



Family:

Publication number	Publication date	Application number	Application date
AU2013330338 AA	20140417	AU20130330338	20130913
AU2013330338 BB	20170112	AU20130330338	20130913
AU2017202407 AA	20170511	AU20170202407	20170411
AU2017202407 AI	20180802	AU20170202407	20170411
AU2017202407 BB	20180726	AU20170202407	20170411
AU2017207810 AA	20180802	AU20170207810	20170112
CA2887430 AA	20150408	CA20132887430	20130913
CA3010989 AA	20180710	CA20173010989	20170112
EP2906511 A1	20150819	EP20130845620	20130913
EP2906511 A4	20160608	EP20130845620	20130913
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MX2015004388 A1	20150610	MX20150004388	20130913
US2014096704 AA	20140410	US20130904296	20130529
US2016122244 AA	20160505	US20160993520	20160112
US9809494 BB	20171107	US20160993520	20160112
US9815738 BB	20171114	US20130904296	20130529
WO14058564 A1	20140417	WO2013US59713	20130913
WO17123749 A1	20170720	WO2017US13180	20170112

Priority:

US20120711549P 20121009 US20130904296 20130529 AU20130330338 20130913
WO2013US59713 20130913 US20160993520 20160112 WO2017US13180 20170112
AU20170202407 20170411

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Inventor(s): MARK A SHAND ; CLAUDIO MANISSERO ; JAMS PRESKENIS ; JERRY E RADEMAN ; JOHN K GEHRET

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MARKS AND CLERK; MBM INTELLECTUAL PROPERTY LAW LLP; OCONNOR MICHAEL DONAL; O CONNOR MICHAEL DONAL; JEFFREY T; HOLLAND AND KNIGHT LLP; PLACKER JEFFREY T 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 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 KH 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

20) Family number: 1454689 (GB1597369A)

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Title: COMPOSITE MATERIAL

Abstract: Source: FR2377883A [FR] La presente invention a pour objet un materiau composite comprenant une structure de

fibres de cellulose, un materiau polymere distribue regulierement dans cette structure est constitue par des fibres ou particules solides et discretes, dont la surface au moins comprend un polymere de synthese solide, non-collant a la temperature ambiante et capable de former un film a plus de 80 degres C, ces particules ou fibres de materiau polymere etant liees au materiau composite au moyen d'un polyelectrolyte et, eventuellement, un materiau mineral sous forme de particules ou fibres de metal ou de mineral. Elle est caracterisee en ce que l'on prepare ce materiau en faisant cofloculer le materiau polymere, eventuellement le materiau mineral, avec de la pulpe de fibres de cellulose au moyen d'un polyelectrolyte, puis en eliminant l'eau de la suspension resultante sur une machine a fabriquer du papier. Un tel produit est transforme en produit fini par traitement chaud, eventuellement sous pression.

Classifications:

International (IPC 8-9): B32B23/02 C08J5/24 C08J7/02 C08J9/08 D21H13/36 D21H17/20 D21H17/34 D21H21/52 E04D3/18 E04D3/32 E04F15/18 (Advanced/Invention); B32B23/00 C08J5/24 C08J7/00 C08J9/00 D21H13/00 D21H17/00 D21H21/00 E04D3/02 E04D3/24 E04F15/18 (Core/Invention)

International (IPC 1-7): B29J1/02 B32B23/02 B32B5/10 C08J5/24 C08J7/02 C08J9/08 C08K3/08 C08L D04H1/60 D21H3/36 D21H3/38 D21H3/82 D21H5/00 D21H5/18 E04D3/00 E04D3/18 E04D3/32 E04F15/18

CPC: D21H5/00 D21H13/36 D21H17/34 D21H21/52

European: D21H13/36 D21H17/34 D21H21/52 D21H5/00

JP F-Term: 4L003 4L003/AA01 4L003/AA02 4L003/AA03 4L003/AA09 4L003/AA12 4L003/AA14 4L003/AA17 4L003/AA23 4L003/AA26 4L003/AA27 4L003/AA28 4L003/AA29 4L003/AA32 4L003/AA33 4L003/AA34 4L003/AA36 4L003/AA37 4L003/AA42 4L003/AB01 4L003/AB03 4L003/AC01 4L003/AC03 4L003/AC04 4L003/AD01 4L003/AD02 4L003/CA01 4L003/CB10 4L003/CC01 4L003/CC02 4L003/CC05 4L003/CC07 4L003/CC08 4L003/DA12 4L003/DA20 4L034 4L034/AA00 4L034/AA03 4L034/AC03 4L034/CC05 4L034/CC10 4L034/DA04 4L034/DA11 4L034/EA02 4L034/EA04 4L034/EA07 4L034/EA13 4L034/EA17 4L034/EA19 4L034/EA26 4L034/EA27 4L055 4L055/AA01 4L055/AA11 4L055/AC06 4L055/AC08 4L055/AF01 4L055/AF02 4L055/AF04 4L055/AG03 4L055/AG04 4L055/AG05 4L055/AG08 4L055/AG11 4L055/AG12 4L055/AG15 4L055/AG18 4L055/AG19 4L055/AG25 4L055/AG27 4L055/AG30 4L055/AG33 4L055/AG58 4L055/AG59 4L055/AG60 4L055/AG63 4L055/AG64 4L055/AG68 4L055/AG71 4L055/AG76 4L055/AG79 4L055/AG80 4L055/AG81 4L055/AG82 4L055/AG83 4L055/AG84 4L055/AG86 4L055/AG87 4L055/AG89 4L055/AG93 4L055/AG94 4L055/AG96 4L055/AG99 4L055/AH18 4L055/AH29 4L055/AH34 4L055/AH48 4L055/AH50 4L055/BA11 4L055/BD11 4L055/BD12 4L055/BE20 4L055/EA04 4L055/EA16 4L055/EA20 4L055/EA32 4L055/EA35 4L055/FA11 4L055/FA13 4L055/GA05 4L055/GA23 4L055/GA24 4L055/GA30

JP F-Index: D21H1/00/X D21H13/36/A D21H17/34/Z D21H3/38 D21H5/00/X D21H5/18 D21H5/18/A

Family:

Publication number	Publication date	Application number	Application date
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DE2753651 A1	19780608	DE19772753651	19771201
DK543676 A	19780604	DK19760005436	19761203
FI773674 A	19780604	FI19770003674	19771202
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GB1597369 A	19810909	GB19770050396	19771202
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JP53094605 A2	19780818	JP19770145608	19771203
NL7713424 A	19780606	NL19770013424	19771205
NO774128 A	19780606	NO19770004128	19771202
SE7713454 A	19780604	SE19770013454	19771128
SE7713454 L	19780604	SE19770013454	19771128

Priority:

DK19760005436 19761203 CA19770292361 19771205

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Assignee(s): KJELD HOLBEK APS ; KJELD HOLBEK APS TE LEJRE DENEMARKEN ; HOLBEK APS KJELD ; HOLBEK KJELD

Inventor(s): (std): HOLBAEK K ; HOLBEK K ; HOLBEK KJELD ; KIERUDO HORUBETSUKU

Inventor(s): KJELD HOLBEK ; K HOLBEK

Agent(s): MACRAE AND CO

21) Family number: 58628771 (US2015059621A)

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Title: STRUVITE-K AND SYNGENITE COMPOSITION FOR USE IN BUILDING MATERIALS

Abstract: A composition and process for the manufacture thereof for use in a hybrid building material comprising at least in part Syngenite ($K_2Ca(SO_4)2 \cdot H_2O$) and Struvite-K ($KMgPO_4 \cdot 6H_2O$). Specified constituents, including magnesium oxide (MgO), monopotassium phosphate (MKP) and stucco (calcium sulfate hemihydrate) are mixed in predetermined ratios and the reaction proceeds through multiple phases reactions which at times are proceeding simultaneously and in parallel and reaction may even compete with each other for reagents if the Struvite-K reaction is not buffered to slow down the reaction rate). A number of variable factors, such as water temperature, pH mixing times and rates, have been found to affect resultant reaction products. Preferred ratios of chemical constituents and manufacturing parameters, including predetermined and specified ratios of Struvite-K and Syngenite may be provided for specified purposes, optimized in respect of stoichiometry to reduce the combined heat of formation to non-destructive levels.

Classifications:

International (IPC 8-9): C04B C04B11/00 C04B11/28 C04B12/02 C04B14/30 C04B22/00 C04B22/06 C04B22/14 C04B22/16 C04B24/42 C04B28/14 C04B28/34 F02D41/00 F02D41/10 F02D41/12 F02D41/24 (Advanced/Invention); C04B11/00 (Advanced/Non-invention); C04B (Subclass/Invention)

CPC: C04B12/025 C04B12/027 C04B28/34 C04B211/0062 C04B14/303 C04B14/304 C04B22/062 C04B22/142 C04B22/143 C04B22/147 C04B22/141 C04B22/0013 C04B24/42 C04B28/344 C04B22/066 C04B211/28 C04B11/28

US: 1/1 106/18.14 106/690 106/691 524/3

PatBase - US2015059621_AA

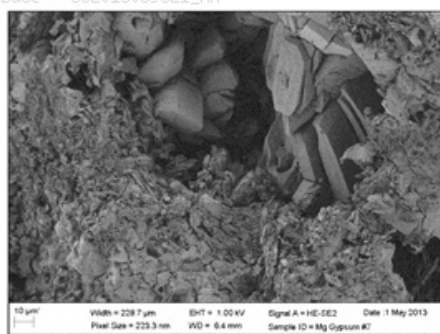


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
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AU2014337500 AA	20160519	AU20140337500	20141014
AU2014337500 BB	20180628	AU20140337500	20141014
CA2927337 AA	20160413	CA20142927337	20141014
CN105873880 A	20160817	CN201480068472	20141014
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EP3057921 A1	20160824	EP20140790451	20141014
HK1223906 A1	20170811	HK20160112197	20161024
ID201708994 A	20170818	ID2016P0003187	20141014
IN201617015387 A	20160831	IN201617015387	20160503
KR20160094940 A	20160810	KR20167012756	20141014
MA39036 A1	20170731	MA20140039036	20141014
MA39036 B1	20181031	MA20140039036	20141014
PH2016500789 A	20160613	PH20160500789	20160427
RU2016118530 A	20171121	RU20160118530	20141014
RU2016118530 A3	20180712	RU20160118530	20141014
TW201546015 A	20151216	TW20140143454	20141212
US2015059621 AA	20150305	US20140457826	20140812
US2016236979 AA	20160818	US20140028372	20141014
US2017008804 AA	20170112	US20160239145	20160817
US9422193 BB	20160823	US20140457826	20140812
WO15057732 A1	20150423	WO2014US60518	20141014
WO15057732 A8	20161103	WO2014US60518	20141014
ZA201602953 A	20170726	ZA20160002953	20160429

Priority:

US20130865029P	20130812	US20130890720P	20131014	US20130890702P	20131014
US20130892025P	20131017	US20130892581P	20131018	US20130915601P	20131213
US20140457826	20140812	RU20160118530	20141014	WO2014US60518	20141014
US20140028372	20141014	US20160028372	20160408	US20160239145	20160817

Probable Assignee: CERTAINTED GYPSUM INC**Assignee(s):** (std): BOYDSTON GERALD D ; CENTURIONE SERGIO ; CENTURIONE SERIGO ; CERTAIN TEED GYPSUM INC ; CERTAINTED GYPSUM INC ; HAUBER ROBERT J ; PATTARKINE GAURAV V ; CHERIAN ISAAC K ; LAMBERET SEVERINE ; FRAILEY NATHAN ; GHOSH ANIRBAN**Inventor(s):** (std): ANIRBAN GHOSH ; BOYDSTON GERALD ; BOYDSTON GERALD D ; CENTURIONE SERGIO ; CENTURIONE SERIGO ; CHERIAN ISAAC ; CHERIAN ISAAC K ; FRAILEY NATHAN ; GAURAV V PATTARKINE ; GERALD D BOYDSTON ; GHOSH ANIRBAN ; HAUBER ROBERT ; HAUBER ROBERT J ; ISAAC K CHERIAN ; LAMBERET SEVERINE ; NATHAN FRAILEY ; PATTARKINE GAURAV ; PATTARKINE GAURAV V ; ROBERT J HAUBER ; SERGIO CENTURIONE ; SEVERINE LAMBERET**Agent(s):** DENNEMEYER AND ASSOCIATES; RIDOUT AND MAYBEE LLP; MARGARITA CASTELLANOS ABONDANO; CHAPMAN AND CO; KANGXIN PARTNERS PC HONG KONG LTD; LASMAN SITORUS SH MH; VANGELIS; ECONOMOU IP LAW; ECONOMOU VANGELIS**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**22) Family number: 30856784** (GB1429985A)

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Title: PRODUCTION OF CERAMIC MATERAILS AND PRODUCTS FROM PRIMARY STONE**Abstract:** 1429985 Moulding ceramic material NIKEX NEHEZIPARI KULKERESKEDELMI VALLALAT 16 May 1974 21799/74 Heading B5A In a process for the production of ceramic articles, e.g. tiles, crockery, from primary stone, e.g. quarry rubble, containing 40-85 percent SiO₂ and 5-20 percent Al₂O₃ by weight, the melting point of which is less than 1450° C., the material is broken down to a particle size of 20 mm. or less and formed into groups of different particle sizes, the material of the individual groups or mixture of such groups being then formed into the desired shape preferably under pressure and baked at a temperature between 1000° and 1250° C. Natural or synthetic pigments may be added. For the production of crockery the material may be milled to a size less than 0A065 mm.**Classifications:****International (IPC 8-9):** A01N37/22 (Advanced/Invention);

A01N37/22 (Core/Invention)

International (IPC 1-7): A01N37/22 A01N9/00 A01N9/20 B28B1/00 B28B3/00**CPC:** A01N37/22**European:** A01N37/22**Family:**

Publication number	Publication date	Application number	Application date
BR7305780 A0	19741231	BR19730005780	19730730
FR2222950 A1	19741025	FR19730027339	19730726
GB1429985 A	19760331	GB19740021799	19740516
GB1441809 A	19760707	GB19730036294	19730731

Priority:

DE19732316295 19730331

Probable Assignee: BASF SE**Assignee(s):** (std): BASF AG ; BASF SE ; NIKEX NEHEZIPARI KULKERE**Assignee(s):** NIKEX HEHEZIPARI KULKERESKEDELMI VALLALAT ; BASF AG DT**Inventor(s):** (std): POMMER E

Title: FIRE-RESISTANT CALCIUM SULPHATE-BASED PRODUCTS

Abstract: The present invention provides calcium sulphate-based product having reduced shrinkage after exposure to high temperatures, the product comprising gypsum, a pozzolan source (e.g. in an amount between 4-27 wt percent) and a metal salt additive (in an amount between 0.5 and 10 wt percent). The pozzolan source may be selected from a kaolinitic clay material, fly ash, rice husk ash, diatomaceous earths, volcanic ashes and pumices, micro-silica, silica fume and silicone oil. The metal salt additive may be a metal salt which decomposes between a temperature of 300-500 degrees centigrade to yield a metal oxide, e.g. magnesium nitrate.

Classifications:

International (IPC 8-9): C04B C04B111/28 C04B111/34 C04B14/04 C04B14/10 C04B22/08 C04B24/42 C04B28/14

C09K21/02 E04B1/94 E04C2/04 (Advanced/Invention);

C04B111/28 C04B111/34 (Advanced/Non-invention);

C04B28/14 (Core/Invention);

C04B (Subclass/Invention)

CPC: Y02W30/92 Y02W30/94 C04B14/106 C04B22/085 C04B2111/00551 C04B24/42 C04B28/14 C04B2111/28 C04B2111/34

JP F-Term: 4G112 4G112/PA03 4G112/PA05 4G112/PA27 4G112/PA28 4G112/PB07

JP F-Index: C04B28/14

Family:

Publication number	Publication date	Application number	Application date
AU2015348617 AA	20170608	AU20150348617	20151117
BR112017010621 A2	20180214	BR20171110621	20151117
CA2967524 AA	20170511	CA20152967524	20151117
CN107108366 A	20170829	CN201580062495	20151117
EP3221273 A1	20170927	EP20150794946	20151117
GB201420766 A0	20150107	GB20140020766	20141121
HK1236503 A1	20180329	HK20170110198	20171011
ID201803963 A	20180420	ID2017PID04101	20151117
IL252299 A0	20170731	IL20150252299	20151117
IN201717021555 A	20171215	IN201717021555	20170620
JP2017535508 T2	20171130	JP20170527559T	20151117
KR20170088917 A	20170802	KR20177016950	20151117
RU2017121656 A	20181221	RU20170121656	20151117
SG11201704054U A1	20170629	SG201711104054	20151117
TH174296 A	20180308	TH20171002725	20151117
TW201627488 A	20160801	TW20150138268	20151119
US2017334783 AA	20171123	US20150525467	20151117
WO16079098 A1	20160526	WO2015EP76785	20151117

Priority:

GB20140020766 20141121 WO2015EP76785 20151117

Probable Assignee: SAINT GOBAIN PLACO

Assignee(s): (std): BPB UNITED KINGDOM LTD ; SAINT GOBAIN PLACO

Assignee(s): SEN GOBEN PLAKO ; BROOKS LAURA ; FISHER ROBIN ; RIDEOUT JAN

Inventor(s): (std): FISHER ROBIN ; JAN RIDEOUT ; LAURA BROOKS ; BROOKS LAURA ; RIDEOUT JAN ; ROBIN FISHER

Inventor(s): BRUKS LAURA ; RAJDAUT YAN

Agent(s): FOUNDRY INTELLECTUAL PROPERTY PTY LTD; CONNEELY PROFESSIONAL CORP; OXLEY RACHEL LOUISE; KING AND FUTURE INTELLIGENCE CONSULTANCY LTD; MUHAMMAD FAISAL; ONO SHINJIRO; YAMAMOTO OSAMU; MIYAMAE TORU; NAKANISHI MOTOHARU; MATSUMOTO KEN; VAKHNINA I PARTNERY OOO; OXLEY RACHEL 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: FIRE RESISTANT CALCIUM SULPHATE-BASED PRODUCTS

Abstract: The present invention provides a calcium sulphate-based product (e.g. a wall board) comprising gypsum and silicone oil. The product may be produced by drying an aqueous slurry comprising calcined gypsum and the silicone oil. The silicone oil is included in the slurry in an amount greater than 10 wt percent which results in a product have greater than 8.5 wt percent silicone oil. This improves structural integrity of the wallboard after exposure to elevated temperatures.

Classifications:

International (IPC 8-9): C01F11/46 C04B C04B111/00 C04B111/28 C04B14/42 C04B24/40 C04B24/42 C04B26/32

C04B28/14 C09K21/02 E04B1/94 E04C2/04 (Advanced/Invention);

C04B111/00 C04B111/28 C08G77/04 (Advanced/Non-invention);

C04B111/00 C04B111/28 C04B28/14 (Core/Invention);

C04B (Subclass/Invention)

CPC: C04B14/42 C04B24/42 C01F11/46 C08G77/04 C04B28/14 C04B2111/00612 C04B2111/28

JP F-Term: 4G112 4G112/PA17 4G112/PB41

JP F-Index: C04B14/42/Z C04B24/40 C04B28/14

Family:

Publication number	Publication date	Application number	Application date
AR102745 AA	20170322	AR2015P103808	20151120
AU2015348620 AA	20170608	AU20150348620	20151117
BR112017010620 A2	20180214	BR20171110620	20151117

CA2967527 AA	20170511	CA20152967527	20151117
CL2017001277 A1	20180126	CL20170001277	20170518
CN107108365 A	20170829	CN201580062130	20151117
CO20170005609 A2	20170831	CO20170005609	20170606
CU20170066 A7	20171107	CU20170000066	20151117
EP3221276 A1	20170927	EP20150794949	20151117
GB201420770 A0	20150107	GB20140020770	20141121
HK1236505 A1	20180329	HK20170110202	20171011
ID201803582 A	20180406	ID2017PID03853	20151117
IL252227 A0	20170731	IL20150252227	20151117
IN201717021565 A	20171215	IN201717021565	20170620
JP2017535507 T2	20171130	JP20170527553T	20151117
KR20170088914 A	20170802	KR20177016940	20151117
MX2017006489 A1	20180111	MX20170006489	20151117
PE16602017 A1	20171115	PE20170000880	20151117
PH2017500906 A	20171127	PH20170500906	20170516
RU2017121654 A	20181221	RU20170121654	20151117
SG11201704009V A1	20170629	SG20171104009	20151117
TH175519 A	20180419	TH20171002726	20151117
TN2017000176 A1	20181019	TN20170000176	20151117
TW201627486 A	20160801	TW20150138266	20151119
US2017334782 AA	20171123	US20150524127	20151117
WO16079101 A1	20160526	WO2015EP76788	20151117

Priority:

GB20140020770 20141121 WO2015EP76788 20151117

Probable Assignee: SAINT GOBAIN PLACO

Assignee(s): (std): BPB UNITED KINGDOM LTD ; SAINT GOBAIN PLACO ; SAINT GOBAIN PLACO SAS

Assignee(s): SEN GOBEN PLAKO ; BROOKS LAURA ; FISHER ROBIN ; RIDEOUT JAN

Inventor(s): (std): ROBIN FISHER ; LAURA BROOKS ; JAN RIDEOUT ; RIDEOUT JAN ; FISHER ROBIN ; BROOKS LAURA

Inventor(s): BRUKS LAURA ; RAJDAUT YAN

Agent(s): FOUNDRY INTELLECTUAL PROPERTY PTY LTD; CONNEELY PROFESSIONAL CORP; ESTUDIO CAREY LTDA; JOSE ANDRES RINCON USCATEGUI; OXLEY RACHEL LOUISE; KING AND FUTURE INTELLIGENCE CONSULTANCY LTD; MUHAMMAD FAISAL; ONO SHINJIRO; YAMAMOTO OSAMU; MIYAMAE TORU; NAKANISHI MOTOHARU; MATSUMOTO KEN; VAKHNINA I PARTNERY OOO; OXLEY RACHEL 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

25) Family number: 445946 (US3607794A)

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Title: PROCESS OF REACTION ORGANIC POLYISOCYANATE WITH ALKALI METAL SILICATE SOLUTION

Abstract: 1,186,771. Silicious products. CONTEKI DEVELOPMENTS Ltd. 25 April, 1968 [12 May, 1967; 28 July, 1967], Nos. 22190/67 and 34884/67. Headings C3C, C3N and C3R. Silicious products are prepared by reacting an aqueous solution of an alkali metal silicate with an organic isocyanate or isothiocyanate. The isocyanate or isothiocyanate is preferably a polyisocyanate or polyisothiocyanate and more preferably is 4,4¹-diphenylmethane diisocyanate or a tolylene diisocyanate. It is preferred to use sodium silicates of formula Na₂O.SiO₂, wherein the Na₂O: SiO₂ ratio may be from 1A6 to 3A3. The reaction may be carried out in the presence of a catalyst, e.g. a tertiary amine or an organometallic compound. The reaction conditions may be such as to produce cellular products by the evolution of carbon dioxide. Conventional blowing agents and surfactants may be added to the reaction mixture to assist in the foam production. Polyols may also be added to the reaction mixture, as may polymers and fillers in fibrous or particulate form. The filler materials may be sand, alumina, aluminosilicates, magnesia, metal fibres, asbestos, glass fibre, rock wool, aluminosilicate fibres, calcium silicate fibres, wood flour, coke, paper pulp, cotton waste, cotton jute, sisal, hemp, flax, rayon, or synthetic fibres such as polyester, polyamide and acrylonitrile fibres. The particulate material may also comprise ingredients which react together exothermically when ignited, e.g. aluminium, oxidizing agent therefor alone or together with a particulate refractory material. In the case of foamed products a non-foamed surface layer may be provided by defoaming the surface during manufacture or by providing the foamed material with a facing layer. Foundry moulds and cores may be prepared by incorporating sand into the reaction mixture.

Classifications:

International (IPC 8-9): C04B28/00 C04B28/26 C08G18/30 C08G18/38 (Advanced/Invention);

C04B28/00 C08G18/00 (Core/Invention)

International (IPC 1-7): B29F C04B19/04 C04B21/02 C04B29/00 C04B43/00 C08G18/00 C08G18/30 C08G18/38 C08G22/46 C08G31/24 C08G53/08 C08L75/04 F01D5/08

CPC: C04B28/003 C04B28/26 C08G18/302 C08G18/3895

European: C04B28/00D C04B28/26 C08G18/30D C08G18/38N2

US: 260/25A 521/100 521/102 521/109.1 521/122 521/123 521/129 521/137 521/155 521/170 523/142 528/44 528/57

Family:

Publication number	Publication date	Application number	Application date
AT283180 B	19700727	AT19680004527	19680510
BE715016 A	19680930		19680510
DE1770384 A1	19711014	DE19681770384	19680510
ES353810 A1	19691016	ES19680353810	19680511
FR1564346 A	19690418		19680513
GB1186771 A	19700402	GB19670034884	19670512
IL29900 A0	19680822	IL19680029900	19680428
NL166002 B	19810115	NL19680006703	19680510
NL166002 C	19810615	NL19680006703	19680510
NL6806703 A	19681113	NL19680006703	19680510
US3607794 A	19710921	US19680726553	19680503

Priority:

GB19670022190 19670512 GB19670034884 19670728

Probable Assignee: CONTEKI DEV LTD

Assignee(s): (std): CONTEKI DEV LTD ; CONTEKI DEVELOPMENTS LIMITED ; CONTEKI DEVELOPMENTS LTD ; BAYER AG

Assignee(s): BAYER AKTIENGESSELLSCHAFT LEVERKUSEN BAYERWERK BONDSREPUBLIC DUTSLAND

Inventor(s): (std): ABBOTSON WILLIAM ; HANCOX PETER JOHN ; JAMES WALLACE FREDERICK ; JOHN HANCOX PETER ; MACNAIR JOHN MILES ; WALLACE FREDERICK JAMES ; MACAIR JAMES MILES ; MILES MACNAIR JOHN

Inventor(s): WILLIAM ABBOTSON ; PETER JOHN HANCOX ; JOHN MILES MACNAIR ; JAMES MILES MACAIR ; FREDERICK JAMES WALLACE

26) Family number: 45941951 (US2011266488A)

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Title: INSULATION PRODUCT BASED ON FIRE-RESISTANT MINERAL WOOL, MANUFACTURING PROCESS AND SUITABLE SIZING COMPOSITION

Abstract: A fire-resistant thermal and/or acoustic insulation product based on mineral wool and on an organic binder, including a carboxylic acid metal salt as fire retardant, the salt being in particular a carboxylate of a metal chosen from the group formed by aluminum, zinc, calcium and magnesium. A process is disclosed for manufacturing the fire-resistant insulation product and a sizing composition suitable for producing the product is disclosed.

Classifications:

International (IPC 8-9): C03C C03C13/00 C03C13/06 C03C25/00 C03C25/24 C03C25/26 C03C25/28 C03C25/285 C03C25/34 C03C25/42 C08K C08K5/098 C08K7/14 C08L33/02 C08L61/06 C09K21/06 D04H D04H1/4209 D04H1/4218 D04H1/587 D04H1/64 D06M13/188 D06M13/192 D06M15/263 E04B1/88 F16L59/04 F16L59/05

G10K11/162 (Advanced/Invention);

C03C13/06 C03C25/00 C08K7/14 D04H1/64 (Advanced/Non-invention);

C03C13/00 C03C25/00 D04H1/00 (Core/Invention);

C03C C08K (Subclass/Invention)

CPC: C03C13/00 C03C13/06 C03C25/24 C03C25/285 C03C25/34 D04H1/4209 D04H1/4218 D04H1/587 D04H1/64 C03C25/00 C08K7/14

European: C03C13/00 C03C13/06 C03C25/24 C03C25/28D C03C25/34 D04H1/4209 D04H1/4218 D04H1/587 D04H1/64

US: 252/62 252/62P 428/921 524/397 524/397S 524/400 524/400S

JP F-Term: 4L033 4L033/AA09 4L033/AB01 4L033/AC05 4L033/AC12 4L033/BA12 4L033/BA17 4L033/BA18 4L033/CA02 4L033/CA08 4L033/CA18 4L033/CA34 4L033/CA50 4L033/DA02

JP F-Index: D06M101:00 D06M13/188 D06M13/192 D06M15/263

Family:

Publication number	Publication date	Application number	Application date
AU2009334578 AA	20100708	AU20090334578	20091228
AU2009334578 BB	20150618	AU20090334578	20091228
BRPI0923804 A2	20150714	BR2009PI23804	20091228
CA2748547 AA	20110628	CA20092748547	20091228
CA2748547 C	20170620	CA20092748547	20091228
CL2011001601 A1	20111111	CL20110001601	20110628
CL56334 B	20180726	CL20110001601	20110628
CO6382151 A2	20120215	CO20110080664	20110628
DK2384315 T3	20180102	DK20090805796T	20091228
EP2384315 A1	20111109	EP20090805796	20091228
EP2384315 B1	20171108	EP20090805796	20091228
ES2651665 T3	20180129	ES20090805796T	20091228
FR2940648 A1	20100702	FR20080059129	20081230
FR2940648 B1	20111021	FR20080059129	20081230
HR20171974 T1	20180209	HR20170001974	20171220
IN02681KN2011 A	20120113	IN2011KN02681	20110628
IN292265 B	20180202	IN2011KN02681	20110628
JP2012514141 T2	20120621	JP20110544073T	20091228
JP5744754 B2	20150708	JP20110544073T	20091228
KR101655440 B1	20160907	KR20117016438	20091228
KR20110107816 A	20111004	KR20117016438	20091228
PL2384315 T3	20180228	PL20090805796T	20091228
RU2011132033 A	20130210	RU20110132033	20091228
RU2523272 C2	20140720	RU20110132033	20091228
SI2384315 T1	20180131	SI20090031772T	20091228
TR201719776 T4	20180122	TR20170019776T	20091228
US2011266488 AA	20111103	US20090142658	20091228
US8691106 BB	20140408	US20090142658	20091228
WO10076533 A1	20100708	WO2009FR52710	20091228
ZA201105519 A	20120328	ZA20110005519	20110727

Priority:

FR20080059129 20081230 EP20090805796 20091228 WO2009FR52710 20091228

Probable Assignee: SAINT GOBAIN ISOVER

Assignee(s): (std): DIDIER BENOIT ; SAINT GOBAIN ISOVER ; SEHN GOBEHN IZOVER

Inventor(s): (std): BENOIT DIDIER ; DID E BENUA ; DIDIER BENOIT ; DIDIER BENOFT

Inventor(s): DIDIER BENO T ; BENOFT DIDIER ; DIDIER BENOT

Agent(s): GRIFFITH HACK; GOUDREAU GAGE DUBUC; LAVERY DE BILLY LLP; PORZIO RIOS AND ASOCIADOS; MARGARITA CASTELLANOS ABONDANO; JAMET VINCENT; SAINT GOBAIN RECHERCHE; ELZABURU SLP ELZABURU SLP; FULYA SUEMERALP; PILLSBURY WINTHROP SHAW PITTMAN LLP

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

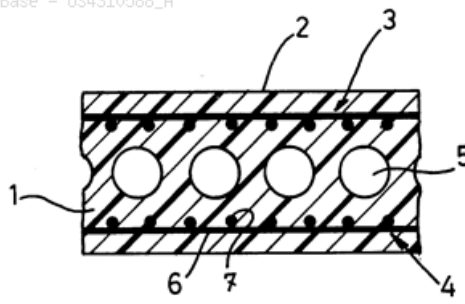
Title: SLIDING ELEMENT INTENDED FOR USE IN SKATING

Abstract: The sliding layer of the element is constituted by a base resin which is self-lubricating or is rendered physically and/or chemically self-lubricating by the addition of a self-lubricating substance, particularly a self-lubricating resin, e.g. a silicone resin, a polyvinylidene fluoride resin, a furan resin. Additional substances are incorporated for rendering the base resin compressible, shock-resistant, electrically antistatic or mechanically reinforced.

Classifications:

International (IPC 8-9): A63C1/30 A63C19/10 C09K3/24 E01C13/10 (Advanced/Invention); A63C1/00 A63C19/00 C09K3/24 E01C13/00 (Core/Invention)
International (IPC 1-7): A63C1/00 A63C1/30 A63C19/00 A63C19/10 B32B27/00 B32B27/42 B32B7/00 B32B7/02
CPC: Y10T428/2982 A63C1/30 A63C19/10 C09K3/24 E01C13/107 Y10T428/3154 Y10T428/31663 Y10T428/31938 Y10T442/2025 Y10T442/2139 Y10T442/2221 Y10T442/2311 Y10T442/232 Y10T442/2328 Y10T442/2418 Y10T442/2525 Y10T442/259 Y10T442/2672 Y10T442/268 Y10T442/2713
European: A63C1/30 A63C19/10 C09K3/24 E01C13/10C
US: 428/251 428/402 428/421 428/447 428/523 442/110 442/123 442/131 442/141 442/142 442/146 442/62 442/76 442/86 442/97 442/98 442/99 521/89 521/91 528/12 528/246 528/397 528/401

PatBase - US4310588_A



Family:

Publication number	Publication date	Application number	Application date
BE875299 A	19790731	BE19790194387	19790403
DE3012451 A1	19801023	DE19803012451	19800331
GB2047547 A1	19801203	GB19800011340	19800403
JP55166174 A2	19801225	JP19800042921	19800403
US4310588 A	19820112	US19800129816	19800312

Priority:

BE19790194387 19790403 BE19790875299 19790403

Probable Assignee: CIMINO ALEXANDER A

Assignee(s): (std): BAREEL J M ; BAREEL JEAN MICHEL

Assignee(s): CIMINO ALEXANDER A ; CIMINO ALEXANDER A SUITE ; PARK HENRY ; UNI WORLD GROUP A CORP NV ; UNI WORLD GROUP A NV

Inventor(s): (std): BAREEL JEAN MICHEL ; JIINNMITSUSHIERU BAREERU

Title: FIRE PROOFING FOAM COMPOUND

Abstract: The invention concerns a paste-like foam compound or a combination of several paste-like components for producing an inorganic, porous and rigid foam product which consists of at least one paste-like, inorganic core-forming component (A) with at least one mineral, where the core-forming component (A) contains, in addition to the mineral, at least one compound which releases gases or at least one compound which changes the pH-value or one which does not change the pH value nor release gases. For foaming and/or hardening of the core-forming component (A), it additionally contains at least one paste-like hardening component (B) containing water and/or at least one paste-like component (C) which releases gases and/or at least one paste-like component (D) which changes the pH-value and/or a combination thereof in quantities sufficient for influencing the porosity and/or the consistency.

Classifications:

International (IPC 8-9): C04B28/00 C04B28/02 C04B28/26 C04B38/02 C04B38/10 C09K21/02 C09K21/06 (Advanced/Invention); C04B28/00 C04B38/02 C04B38/10 C09K21/00 (Core/Invention)
International (IPC 1-7): B63B29/02 B64D11/00 C04B21/06 C04B22/08 C04B28/00 C04B28/02 C04B28/26 C04B38/02 C04B38/10 C04B40/00 C09K21/02 C09K21/06 E04B1/94
CPC: C04B28/00 C04B2201/00 C04B2201/10 Y02W30/92 C04B38/10 C04B2111/28 C09K21/02 C04B28/006 C04B28/04 C04B28/26 C04B38/02 Y02P40/165
European: C04B28/00G C04B28/04 C04B28/26 C04B38/02 C09K21/02 M04B111/28 M04B201/00 M04B201/10
JP F-Term: 4G019 4G019/HA01 4G019/HB01 4G019/HB03 4G019/HC01 4H028 4H028/AA01 4H028/AA02 4H028/AA03 4H028/AA04 4H028/AA05 4H028/AA06 4H028/AA07 4H028/AA08 4H028/AA09 4H028/AA10 4H028/AA12 4H028/AA21 4H028/AA24 4H028/AB03 4H028/BA01 4H028/BA06
JP F-Index: C04B38/02/D C04B38/02/E C04B38/02/G C09K21/02 C09K21/06

Family:

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DE19961000977 19960112 DE19962000466U 19960112 DE19962016052U 19960914

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PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TR TT UA UG US UZ VN