Nelcy

Search history

Search 1: TAC=(GYPSUM WALLBOARD AND LIGHT WEIGHT) (Results 22)

Search 2: TAC=(GYPSUM WALLBOARD OR PANEL AND SLURRY) (Results 2714)

Search 3: TAC=(GYPSUM WALLBOARD OR PANEL AND SLURRY AND LIGHT WEIGHT) (Results 118)

Search 4: TAC=(GYPSUM WALLBOARD OR PANEL AND SLURRY AND LIGHT WEIGHT AND DISPERSANT) (Results 7)

1) Family number: 24040692 (US4738726A)

Title: TREATMENT OF CLAYS WITH CATIONIC POLYMERS TO PREPARE HIGH BULKING PIGMENTS

Abstract: Source: US4738726A A highly bulked kaolin pigment is prepared by mixing a small but effective amount of a water-soluble cationic polyelectrolyte flocculant with a kaolin clay pigment in the presence of water to prepare a bulked clay pigment product. Upon dewatering, the resultant polyelectrolyte treated clay product can be dispersed to form high solids clay-water **slurries** useful in making aqueous coating colors suitable for manufacturing coating lightweight publication papers or the pigment can be used as a filler for paper webs.

Classifications:

International (IPC 8-9): C04B14/00 C04B33/00 C08J3/20 C09C1/40 C09C1/42 C09C3/10 C09D17/00 D21H17/68 D21H19/38 D21H19/40 D21H19/58 D21H19/62 F42B39/20 F42B39/24 (Advanced/Invention);
C09C1/40 C09C3/10 (Advanced/Non-invention);
C09D17/00 D21H17/00 F42B39/00 (Core/Invention)

International (IPC 1-7): B65D81/02 B65D85/30 C04B14/00 C04B33/00 C08J3/20 C09C1/28 C09C1/42 C09C3/10 C09D1/02 C09D1/04 C09D11/02 C09D17/00 C09D3/20 C09D7/12 D21H1/22 D21H11/22 D21H17/68 D21H19/38

CPC: F42B39/20 F42B39/24 Y10T428/31931 Y10T428/31975 D21H19/58 C01P2002/84 C01P2004/03 C01P2004/32 C01P2004/51 C01P2004/61 C01P2004/62 C01P2006/10 C01P2006/22 C01P2006/60 C01P2006/80 C09C1/42 D21H19/40 D21H19/62

European: C09C1/42 D21H19/40 D21H19/58 D21H19/62 F42B39/20 F42B39/24 M01P2/84 M01P4/03 M01P4/32 M01P4/51 M01P4/61 M01P4/62 M01P6/10 M01P6/22 M01P6/60 M01P6/80

US: 106/214 106/288B 106/308N 106/487 106/499 206/523 209/5 210/710 210/735 428/521 428/533 501/147 501/148 524/447

Family:

Publication number	Publication date	Application number	Application date
AT101632 E	19940315	AT19860305151T	19860702
AU198658925 A1	19871119	AU19860058925	19860620
AU584713 B2	19890601	AU19860058925	19860620
BRPI8603051 A	19880112	BR1986PI03051	19860630
CA1285677 A1	19910702	CA19860511805	19860618
CN1008373 B	19900613	CN19861005012	19860815
CN86105012 A	19871125	CN19861005012	19860815
DE3689655 D1	19940324	DE19863689655	19860702
DE3689655 T2	19940915	DE19863689655T	19860702
EP0245553 A2	19871119	EP19860305151	19860702
EP0245553 A3	19880302	EP19860305151	19860702
EP0245553 B1	19940216	EP19860305151	19860702
ES556670 A1	19870716	ES19860556670	19860625
ES557317 A1	19880216	ES19870557317	19870115
ES8707277 A1	19871001	ES19860556670	19860625
ES8801693 A1	19880416	ES19870557317	19870115
FI862632 A	19871113	FI19860002632	19860619
FI862632 A0	19860619	FI19860002632	19860619
FI91177 B	19940215	FI19860002632	19860619
FI91177 C	19940525	FI19860002632	19860619
JP62267371 A2	19871120	JP19860156378	19860704
KR940005836 B1	19940624	KR19860005694	19860715
US4738726 A	19880419	US19860861943	19860512
USH314 H1	19870804	US19860001943	19861218

Priority:

US19850730989 19850506 US19860861943 19860512 US19860861943 19861218
US19860001943 19861218 EP19860305151 19860702 CA19860511805 19860618

Probable Assignee: ENGELHARD A CORP OF DE CORP

Assignee(s): (std)**:** ENGELHARD CORP ; US ARMY

Assignee(s): SLEPETYS RICHARD A ; WILLIS MITCHELL J ; ENGELHARD A CORP OF DE CORP ; ENGELHARD CORP ISELIN N J US ; NEMEH SAAD ; PRATT RICHARD J

Inventor(s): (std)**:** PRATT RICHARD J ; RICHARD A SLEPETYS ; RICHARD J PRATT ; RICHARD J PRATT ET AL ; RICHIYAADO EI SUREPETEISU ; RICHIYAADO JIEI PURATSUTO ; SAAD NEMEH ; SAADO NEME ; SLEPETYS RICHARD A ; WILLIS MITCHELL J ; AL RICHARD J PRATT ET ; BETTS ROBERT E ; MITCHELL J WILLIS ; MITSUCHIERU JIEI UIRISU ; NEMEH SAAD

Inventor(s): NEMEH SAAD WEST LONG BEACH NEW JERSEY 07764 US ; NAME NOT GIVEN

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

2) Family number: 7696651 (JP4059235A)

Title: COMPOSITE **PANEL**

Abstract: Source: JP4059235A PURPOSE: To obtain the above **panel** excellent in strength and moisture control ability although it is **light-weight** by providing a molded product consisting mainly of power obtained by qualitatively modifying vitreous blast furnace slag powder with an aqueous alkali solution using glass dissolution reaction and hydration reaction as at least one layer and a honeycomb structure as the other layer. CONSTITUTION: A mixture consisting of surface-reforming slag powder (or **slurry** containing the powder), water-curable gypsum, polymer mixing agent and water is kneaded. If reinforcing fiber, coagulant, synthetic pulp, calcium silicate hydrate, **light-weight** aggregate, thickener, **dispersant** and pigment are to be added, these materials should be added prior to or during kneading process. Any types of material for the honeycomb structure is acceptable provided that it is **light-weight** and high in specific strength. For example, metal such as aluminum or iron, paper, various plastics, alamide fiber, glass fiber and carbon fiber reinforced with resin can preferably be used.

Classifications:
International (IPC 8-9): B32B3/12 E04F13/14 (Advanced/Invention);
B32B3/12 E04F13/14 (Core/Invention)
International (IPC 1-7): B32B3/12 E04F13/14

Family:

Publication number	Publication date	Application number	Application date
JP4059235 A2	19920226	JP19900171270	19900628

Priority:

JP19900171270 19900628

Probable Assignee: NIPPON KOKAN KK

Assignee(s): (std)**:** NIPPON KOKAN KK

Assignee(s): NKK CORP

Inventor(s): (std)**:** HARA MIKIKAZU ; KAMURA HISAYA ; NAKAMURA NOBUYUKI ; SATO KAZUYOSHI

3) Family number: 7696655 (JP4059239A)

Title: HIGHLY FIRE-PROOF COMPOSITE LAMINATED **PANEL** CAPABLE OF EXCELLENT MOISTURE ADJUSTMENT AND ITS MANUFACTURE

Abstract: Source: JP4059239A PURPOSE: To enhance the moisture adjustment properties by laminating air- permeable decorative material on the surface of an inorganic **light-weight** laminated product consisting mainly of powder obtained by modifying vitreous blast furnace slag powder qualitatively through glass fusion reaction and hydration reaction using an aqueous alkali solution. CONSTITUTION: The air-permeable decorative material of a thin layer is a thin layer product of natural wood, papers such as Japanese paper and sliding screen paper, cloth or unwoven cloth. First, a mixture of surface reforming slag powder(or **slurry** containing said powder), polymer mixing agent and water is kneaded. If reinforcing fiber, coagulant, synthetic pulp, calcium silicate hydrate, **light-weight** aggregate, thickener, **dispersant** and water-curable gypsum are to be added, these should be added prior to or during kneading process. The air-permeable decorative material is placed over the **slurry** obtained by kneading and pressed. After molding, the decorative material is laid at the bottom of a mold such as a die frame from the viewpoint of ease of operation. then the **slurry** is poured over the decorative material and dehydrated under pressure and molded as the most suited manufacturing method.

Classifications:
International (IPC 8-9): B28B11/02 B28B3/02 B32B17/06 B32B21/04 B32B27/06 B32B27/20 B32B7/02 B32B9/00 C04B28/28 C04B38/00 E04B1/64 (Advanced/Invention);
B28B11/02 B28B3/02 B32B17/06 B32B21/00 B32B27/06 B32B27/20 B32B7/02 B32B9/00 C04B28/00 C04B38/00 E04B1/64 (Core/Invention)
International (IPC 1-7): B28B11/02 B28B3/02 B32B17/06 B32B21/04 B32B27/06 B32B27/20 B32B7/02 B32B9/00 C04B28/28 C04B38/00 E04B1/64

Family:

Publication number	Publication date	Application number	Application date
JP4059239 A2	19920226	JP19900171269	19900628

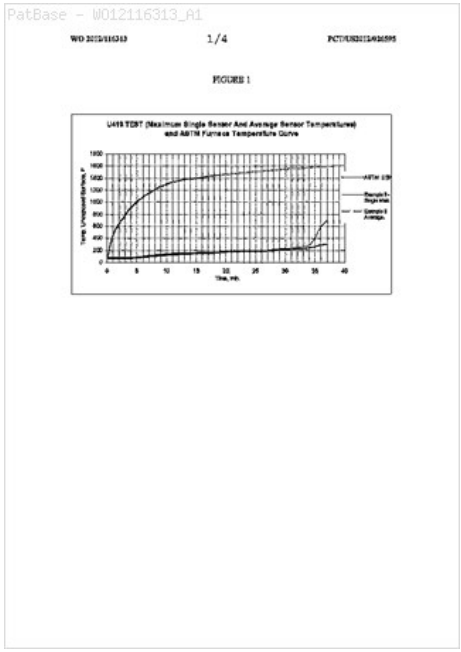
Priority:
JP19900171269 19900628

Probable Assignee: NIPPON KOKAN KK
Assignee(s): (std): NIPPON KOKAN KK
Assignee(s): NKK CORP
Inventor(s): (std): HARA MIKIKAZU ; KAMURA HISAYA ; NAKAMURA NOBUYUKI ; SATO KAZUYOSHI

4) Family number: 33992676 (US2006278132A)

Title: METHOD OF IMPROVING **DISPERSANT** EFFICACY IN MAKING GYPSUM PRODUCTS

Abstract: Source: US2006278132A The invention generally provides gypsum-containing **slurries** including stucco, trimetaphosphate salt, and naphthalenesulfonate **dispersant**, wherein the trimetaphosphate salt is present in an amount of at least about 0.12 percent by weight based on the weight of stucco. Other **slurry** additives can include accelerators, binders, starch, and paper fiber, glass fiber, and other known ingredients. The invention also comprises the gypsum-containing products made with such **slurries**, for example, **gypsum wallboard**, and a method of making **gypsum wallboard**.



Classifications:
International (IPC 8-9): B01F17/12 B01F17/14 C04B24/20 B23B13/00 B23B37/00 B28B19/00 B28B3/12 B32B B32B1/04 B32B13/00 B32B13/02 B32B13/04 B32B13/08 B32B15/00 B32B17/02 B32B21/00 B32B29/00 B32B3/00 B32B3/26 B32B3/30 B32B37/00 B32B37/02 B32B37/15 B32B37/24 B32B38/10 B32B38/16 B32B5/24 B52B13/00 C04B11/00 C04B11/28 C04B14/28 C04B14/38 C04B14/42 C04B14/46 C04B16/02 C04B16/08 C04B18/24 C04B20/06 C04B22/06 C04B22/14 C04B22/16 C04B24/00 C04B24/10 C04B24/16 C04B24/22 C04B24/38 C04B24/40 C04B26/28 C04B28/12 C04B28/14 C04B28/34 C04B38/02 C04B38/08 C04B38/10 C04B7/34 C04B9/00 E04B1/94 E04C2/04 E04C2/26 E04F13/02 E04F13/14 (Advanced/Invention); B23B13/00 B23B37/00 C04B103/42 C04B11/00 C04B111/40 C04B14/28 C04B22/14 C04B24/16 C04B24/38 C04B28/14 C04B38/10 (Advanced/Non-invention); B23B13/00 B23B37/00 B28B3/00 B32B1/00 B32B13/00 B32B3/00 B32B3/26 B32B37/00 B32B38/10 C04B11/00 C04B14/02 C04B14/38 C04B16/00 C04B22/00 C04B24/00 C04B28/00 C04B28/14 C04B9/00 (Core/Invention); B23B B32B (Subclass/Invention)
International (IPC 1-7): B23B13/00 B23B37/00 B32B13/00 B32B13/02 B32B13/04 B32B13/08 B32B27/02 B32B29/00 B32B3/26 C04B 11/00 C04B 28/00 C04B 28/14 C04B11/00 C04B16/08 C04B28/14 C04B9/00 E04C2/04 E04F13/02
CPC: C04B11/00 C04B20/06 C04B2111/28 C04B2111/34 Y10T428/2978 Y10T428/232 Y10T428/24496 Y10T156/1052 Y10T428/27 Y10T428/24479 C04B2103/0075 C04B2201/20 B32B13/04 B32B13/02 B32B13/14 B32B2250/40 B32B2307/306 B32B2307/536 B32B2307/546 B32B2307/5825 B32B2419/04 B32B2607/00 C04B28/145 Y10T428/31678 Y10T428/31989 Y10T428/31971 Y10T428/31993 Y10T442/665 B32B3/26 B32B5/02 B32B13/08 B32B17/02 B32B27/02 B32B29/00 C04B2111/40 Y02W30/97 C04B28/14 C04B2111/0062 Y10T428/24996 Y10T428/24995
European: B32B13/02 B32B13/04 B32B13/08 B32B13/14 B32B17/02 B32B27/02 B32B29/00 B32B3/26 B32B5/02 C04B28/14 C04B28/14H L32B250/40 L32B307/306 L32B307/536 L32B307/546 L32B307/582B L32B419/04 L32B607/00 M04B103/00W8 M04B111/00T6B M04B111/34 M04B111/40 M04B201/20
US: 106/674 106/680 106/680S 106/691 106/711 106/772 106/778 106/778S 106/779 106/779S 106/780 106/780S 106/781 106/781S 106/783 106/783S 106/785 106/785S 156/250 156/250S 156/39 156/42 156/45 156/45S 428/156 428/158 428/220 428/220P 428/304.4 428/304.400P 428/312.4 428/312.400P 428/340 428/400 428/426 428/457 428/457S 428/532 428/537.1 428/537.100S 428/537.5 428/70 428/703 428/703P 428/703S 428/70P 442/386 52/443 52/553

Family:

Publication number	Publication date	Application number	Application date
AR053623 AA	20070509	AR2006P102432	20060609
AR054389 AA	20070620	AR2006P102433	20060609
AR063772 AA	20090218	AR2007P104860	20071031
AR068668 AA	20091125	AR2008P104345	20081003
AR069160 AA	20091230	AR2008P104799	20081024
AR074030 AA	20101222	AR2007P104327	20070928
AR085491 AA	20131009	AR2012P100628	20120224
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Priority:

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Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std)**:** LUAN WENQI ; UNITED STATES GYPSUM CO ; TRACY SHARON L ; SONG WEIXIN DAVID ; SONG WEIXIN D ; LYNN MICHAEL R ; JUNAJTED STEHJTS DZHIPSAM KOMPANI ; JUNAJTED STEHJTS DZHIPSUM KOMPANI ; LYNN MICHAEL ; UNITED STATES GYPSUM COMPANY ; YU QIANG ; VEERAMASUNENI SRINIVAS ; USG CORP

Assignee(s): UNITED STATES GYPSUM CO550 WEST ADAMS STREETCHICAGOIL60661-3676US ; LIU QINGXIA ; SHAKE MICHAEL P ; UNITED STATE GYPSUM CO ; JONES FREDERICK T

Inventor(s): (std)**:** DAVID SONG WEIXIN ; JUJ TSJAN ; LINN MAJKL R ; LIU QINGXIA ; LUAN WENQI ; LYNN MICHAEL ; LYNN MICHAEL R ; JONES FREDERICK T ; JU K JANG ; MICHAEL LYNN ; SHAKE MICHAEL P ; SHARON L TRACY ; SONG DAVID WEIXIN ; SONG VEJKSIN DEHVID ; QIANG YU ; QINGXIA LIU ; SONG WEIXIN D ; SONG WEIXIN DAVID ; SUN VEHJSIN D ; TRACY SHARON L ; TREHJSI SHEHRON L ; VEERAMASUNENI SRINIVAS ; WEIXIN DAVID SONG ; YU QIANG ; YU QIANG SONG WEIXIN DAVID

Inventor(s): YU QIANGUS ; WEIXIN D SONG ; SUN VEHJSIN' D. ; TRACY SHARON ; SONG WEIXIN DUS ; SHAKE MICHAEL ; SONG WEIXIN ; MICHAEL P SHAKE ; MICHAEL R LYNN ; JU K'JANG ; LYNN MICHAEL RUS ; LIU QING XIA ; DAVID WEIXIN SONG ; FREDERICK T JONES ; JONES FREDERICK

Agent(s): JOHNSON TERENCE LESLIE ET AL; SCHUETTE HARTMUT; STIES JOCHEN; ARENDS WILLIAM GERRIT; OXLEY ROBIN JOHN GEORGE; GARDNER CARTON AND DOUGLAS LLP ATTN PATENT DOCKET DEPT; DRINKER BIDDLE AND REATH LLP ATTN PATENT DOCKET DEPT; DRINKER BIDDLE AND REATH LLP; LEYDIG VOIT AND MAYER LTD; PHILIP T; DAVID F; PRADIP K; JANCI DAVID F ET AL; MICKELSON CAROLE A; FILBIN PAUL J ET AL

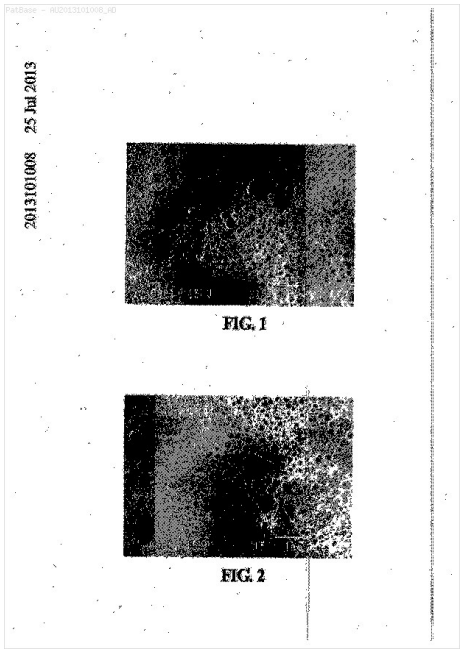
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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 YU ZA ZM ZW

5) Family number: 54634386 (AU2013101008A)

Title: Low Dust **Gypsum** **Wallboard**

Abstract: Source: AU2013101008A This invention provides low ust low density **gypsum** **wallboard** products having high total core void volumes Coespondng to tow densities in the range of about 10 to 30 pot The wallboards have a set gypsum core formed between two substantially parallel cover sheets, the set gypsum core preferably having a total void volume from about 60 percent to about 92 percent, and made from a **slurry** Including stucco, pregelafinied starch, and a naphthalenesulfonate **dispersant**. The combination of the pregeaunie starch and the naphthalenesulfonate **dispersant** also provides a glueike effect In binding te set gypsum crystals together, The waloard formulation, along with sraIl air bubble voids (and water voids) provides dust control during cutting sawing, rbuting, snapping, nailing or screwing down, or drilling of the gYPsum-containing pducts. This invention also provides a method of making the low dust low density gyPsum products including the iftroduction of soap foam in an amount sufficient to form a total void volume including air voids, preferably from about 80 percent to about 02 percent in the set gypsum core;, orresponding to a set gypsum core density from aboet 10 pcf to about 30 pof; The wallboards produced by the method generate significantly less dust during worig.

Classifications:
International (IPC 8-9): B28B19/00 C04B28/14 (Advanced/Invention); C04B103/42 (Advanced/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
AU2013101008 AD	20130829	AU20130101008	20130725

Priority:
AU20130101008 20130725

Probable Assignee: UNITED STATES GYPSUM CO
Assignee(s): (std): UNITED STATES GYPSUM CO
Inventor(s): (std): SONG WEIXIN DAVID ; YU QIANG

6) Family number: 58628771 (US2015059621A)

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

Abstract: Source: US2015059621A A composition and process for the manufacture thereof for use in a hybrid building material comprising at least in part Syngenite (K2Ca(SO4)2.H2O) and Struvite-K (KMgPO4.6H2O). 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): C04B11/28 C04B12/02 C04B28/34 (Advanced/Invention)
CPC: C04B11/28 C04B12/025 C04B28/34 C04B12/027 C04B2111/0062
US: 106/690 524/3

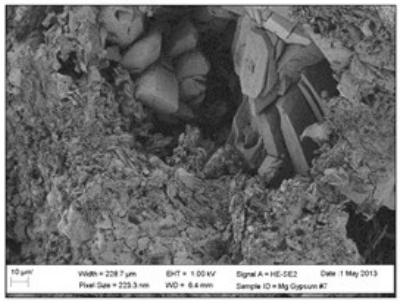


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
US2015059621 AA	20150305	US20140457826	20140812
WO15057732 A1	20150423	WO2014US60518	20141014

Priority:

US20130865029P 20130812
US20130890702P 20131014
US20140457826 20140812
US20130890720P 20131014
US20130892025P 20131017
US20130892581P 20131018
US20130915601P 20131213

Probable Assignee: CERTAINTEED GYPSUM INC

Assignee(s): (std)**:** BOYDSTON GERALD D ; CENTURIONE SERIGO ; CERTAIN TEED GYPSUM INC ; CERTAINTEED GYPSUM INC ; HAUBER ROBERT J ; CHERIAN ISAAC K ; LAMBERET SEVERINE ; FRAILEY NATHAN ; GHOSH ANIRBAN ; PATTARKINE GAURAV V

Inventor(s): (std)**:** BOYDSTON GERALD D ; CENTURIONE SERGIO ; CENTURIONE SERIGO ; CHERIAN ISAAC K ; FRAILEY NATHAN ; GHOSH ANIRBAN ; HAUBER ROBERT J ; LAMBERET SEVERINE ; PATTARKINE GAURAV V

Agent(s): ECONOMOU VANGELIS

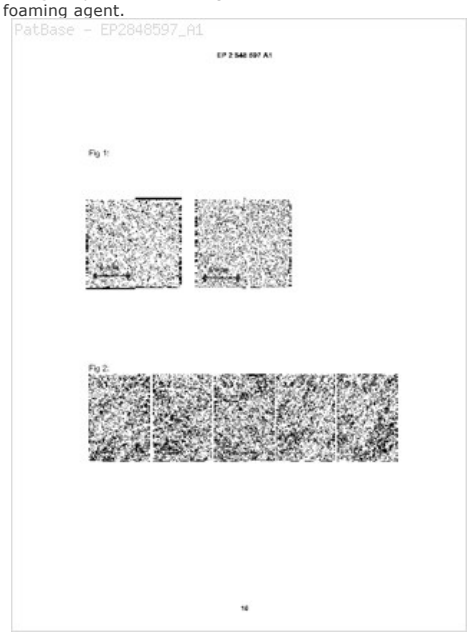
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX 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

7) Family number: 58716899 (WO15039890A1)

Title: **LIGHT-WEIGHT** GYPSUM BOARD WITH IMPROVED STRENGTH AND METHOD FOR MAKING SAME

Abstract: Method for making **light-weight** gypsum board with enhanced compressive strength by addition of **dispersants**. Wallboards made by use of a gypsum-based composition comprising a ketone resin as **dispersant** and a foaming agent.

Classifications:
International (IPC 8-9): C04B28/14 (Advanced/Invention)
CPC: C04B28/14 C04B2111/0062



Family:

Publication number	Publication date	Application number	Application date
EP2848597 A1	20150318	EP20130184746	20130917
WO15039890 A1	20150326	WO2014EP68927	20140905

Priority:

EP20130184746 20130917

Probable Assignee: BASF SE

Assignee(s): (std)**:** BASF SE

Inventor(s): (std)**:** CLAESSEN STEPHANIE ; DENGLER JOACHIM ; GAEDT TORBEN ; GEHRIG UWE ; LOGES STEPHANIE ; PICHLER MARTIN ; SCHINABECK MICHAEL

Agent(s): LORENZ KLAUS UWE; GASTNER THOMAS

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