

Search history

Search PN=(WO2016200677) (Results 1)

1:

Search [SP]: 1. a drying-type joint compound with a shrinkage of less than 15 percent by volume as measured according to astm c474-05, the drying-type joint compound comprising a plurality of hollow spheres and a binder selected from the group consisting of acrylic acid polymers, acrylic acid copolymers, alkyds, polyurethanes, polyesters, epoxies, and combinations thereof wherein the hollow spheres are composed of self-contained air bound by a solid barrier and wherein the hollow spheres have an average isostatic crush strength of at least about 250 psi as measured according to astm d3102-78 and where the density of the spheres are from about 0.0015 lb/in³ (about 0.04 g/cm³) to about 0.04 lb/in³ (about 1.1 g/cm³) and wherein the drying-type joint compound has the viscosity in the range from about 15,600 cp to about 23,000 cp as measured according to astm c474-05. 2. the joint compound of claim 1, wherein the binder in the joint compound is an acrylic acid polymer or acrylic acid copolymer. 3. the joint compound of claim 1, wherein the binder in the joint compound is in the form of an aqueous emulsion. 4. the joint compound of claim 1, wherein the joint compound exhibits a shrinkage of about 2 percent or less, as measured by astm c474-05. 5. the joint compound of claim 1, wherein the joint compound is substantially free of at least one of the following: setting minerals, bulk filler, clays, starch, mica, calcium carbonate, expanded perlite, calcium magnesium carbonate, limestone, calcium sulfate dihydrate, attapulgite clay, kaolin clay, talcs, diatomaceous earth, or a combination thereof. 6. the joint compound of claim 1, wherein the hollow spheres are selected from the group consisting of lime boro-silicate, polystyrene, ceramic, recycled-glass, expanded glass, and lightweight polyolefin beads, thermoplastic, thermoset, and any combination thereof. 7. the joint compound of claim 1, wherein the joint compound comprises: (a) a latex emulsion binder in the amount from about 3 percent to about 90 percent by weight of the wet composition (b) the hollow spheres are present in the amount from about 5 percent to about 25 percent by weight of the wet composition (c) a nonionic surfactant in the amount from about 0.001 percent to about 5 percent by weight of the wet composition and (d) a humectant in the amount from about 0.001 percent to about 3 percent by weight of the wet composition. 8. the joint compound of claim 7, wherein the joint compound further comprises at least one of the following: (a) a defoamer in the amount from about 0.05 percent to about 5 percent by weight of the wet composition (b) a rheological modifier in the amount from about 0.1 percent to about 5 percent by weight of the wet composition (c) a biocide, in the amount from about 0.1 percent to about 1.5 percent by weight of the wet composition (d) at least one of calcium carbonate and limestone in the amount from about 1 percent to about 40 percent by weight of the wet composition and (e) delaminated clay in the amount from about 0.1 percent to about 5 percent by weight of the wet composition. 9. the joint compound of claim 1, wherein the joint compound consists essentially of: (a) a latex emulsion binder in the amount from about 3 percent to about 90 percent by weight of the wet composition (b) the hollow spheres are present in the amount from about 5 percent to about 25 percent by weight of the wet composition (c) a nonionic surfactant in the amount from about 0.001 percent to about 5 percent by weight of the wet composition (d) a humectant in the amount from about 0.001 percent to about 3 percent by weight of the wet composition and (e) water. 10. a wall installation method, the method comprising: (a) obtaining a first gypsum board and a second gypsum board (b) obtaining a drying-type joint compound with the viscosity from about 15,600 cp to about 23,000 cp as measured by astm c474-05, and a shrinkage of less than 15 percent by volume as measured by astm c474-05, the drying-type joint compound comprising a plurality of hollow spheres and a binder selected from the group consisting of acrylic acid polymers, acrylic acid copolymers, alkyds, polyurethanes, polyesters, epoxies, and combinations thereof wherein the hollow spheres are composed of self-contained air bound by a solid barrier and wherein the hollow spheres have an average isostatic crush strength of at least about 250 psi as measured according to astm d3102-78 and where the density of the spheres are from about 0.0015 lb/in³ (about 0.04 g/cm³) to about 0.04 lb/in³ (about 1.1 g/cm³) (c) joining the two boards together such that the edges of the two boards create a seam and (d) spraying the seam with the drying type joint compound, until the seam is filled with the joint compound. 11. the method of claim 10, wherein each of the boards is having at least one tapered edge with a recess depth at the deepest point from about 0.005 inch to about 0.05 inch. 12. the method of claim 11, wherein the installation is completed in less than 24 hours. 13. the method of claim 10, wherein the joint compound is applied in one coat only. 14. the method of claim 10, wherein the seam between the first board and second board is further reinforced with a joint tape. 15. the method of claim 10, wherein the first board and the second board comprise of a gypsum core sandwiched between two sheets of paper. 16. the method of claim 10, wherein the seam is sanded after it is filled with the joint compound and the joint compound is dried. 17. the method of claim 10, wherein the installation is completed in less than 48 hours. 18. the method of claim 10, wherein the step of obtaining the drying-type joint compound is performed by formulating the joint compound consisting essentially of: (a) a latex emulsion binder in the amount from about 3 percent to about 90 percent by weight of the wet composition (b) wherein the hollow spheres are present in the amount from about 5 percent to about 25 percent by weight of the wet composition (c) a nonionic surfactant in the amount from about 0.001 percent to about 5 percent by weight of the wet composition (d) a humectant in the amount from about 0.001 percent to about 3 percent by weight of the wet composition (e) a defoamer in the amount from about 0.05 percent to about 5 percent by weight of the wet composition (f) a rheological modifier in the amount from about 0.1 percent to about 5 percent by weight of the wet composition (g) a biocide, in the amount from about 0.1 percent to about 1.5 percent by weight of the wet composition (h) at least one of calcium carbonate and limestone in the amount from about 1 percent to about 40 percent by weight of the wet composition (i) delaminated clay in the amount from about 0.1 percent to about 5 percent by weight of the wet composition and (j) water. 19. the method of claim 10, wherein the viscosity of the joint compound is measured prior to the joint compound is spray-applied to the seam. 20. a method preparing a joint compound for spray application, the method comprising: (a) preparing a composition comprising a latex emulsion binder in the amount from about 3 percent to about 90 percent by weight of the wet composition a plurality of hollow spheres having an average isostatic crush strength of at least about 250 psi, as measured according to astm d3102-78, wherein the spheres are present in the amount from about 5 percent to about 25 percent by weight of the wet composition a nonionic surfactant in the amount from about 0.001 percent to about 5 percent by weight of the wet composition and a humectant in the amount from about 0.001 percent to about 3 percent by weight of the wet composition (b) measuring the viscosity of the composition according to astm c474-05 and (c) adjusting the viscosity of the composition to be in the range from about 15,600 cp to about 23,000 cp. (Results 0)

Search [SP]: cross-reference to related applications this patent application is a continuation-in-part patent application of u.s. patent application ser. no. 14/492,905, filed sep. 22, 2014, which claims the benefit of u.s. patent application ser. no. 13/842,342, filed mar. 15, 2013, which claims the benefit of u.s. provisional patent application no. 61/705,551, filed sep. 25, 2012. all of the preceding patent applications are incorporated herein by reference in their entireties. background in building construction, different types of claddings are used as panels for forming interior and exterior wall and ceiling surfaces. for simplicity, as used herein, it will be understood that the term "wall" also encompasses ceilings. typically, the claddings are in the form of boards (also referred to as panels) affixed to framing members such as in balloon framing arrangements known in the art. examples of claddings include gypsum board faced with paper, fibrous mats (e.g., fiberglass), and the like. these and other types of boards are typically cut to appropriate dimensions and then fastened to framing members, e.g., with screws, nails, or the like to form wall sections formed from multiple boards. such wall sections are normally finished to provide aesthetically pleasing, uniform, and protected surfaces. for example, two side-by-side boards disposed in the same plane will form a joint seam between them on vertical walls and horizontal ceilings. to finish the seam, joint reinforcement tape is embedded in the seam, along with a layer of joint compound under the tape, and multiple coats of joint compound applied over the tape. some boards meet at an angle such as when forming a corner. reinforcement bead can be utilized to hide the corner seam and to protect the corner. reinforcement bead can be directly attached to the board using fasteners, or a layer of joint compound is applied under the trim to adhere the reinforcement bead to the board. the installed reinforcement is then concealed with multiple layers of joint compound applied over the trim. fasteners used to affix the board to framing members must also be concealed with multiple layers of joint compound applied over them. after the various joint compound applications are dried, the resulting wall surfaces can be sanded and painted to form the desired uniform and aesthetically pleasing appearance. the level of finishing as described above can vary. for example, with respect to gypsum wallboard, six (6) levels of gypsum board finish are understood in the art, ranging from zero (no treatment at all) to level five (the highest level of finish), as set forth in gypsum association document ga-214 and american society for testing and materials ("astm") c840. the level of finish generally corresponds with the number of applications of joint compound to seams, trims, and fasteners. levels three, four, and five are typically used for occupied spaces within buildings. for single family homes, level 4 is the most common level that is implemented. level five is less frequently used and usually requires application of a skim coat of joint compound across the entire wall surface. conventional approaches for finishing wall assemblies as described above have not been fully satisfactory. the materials conventionally used to finish wall assemblies create significant inefficiencies in the process and also require an advanced level of skill to use effectively. for example, existing joint compounds require three separate coats to be applied to fasteners as well as multiple coats applied to flat seams between boards in the same plane and to corner seams. each coat must separately dry which introduces significant downtime in the construction process, particularly since the other construction trades ordinarily cannot work inside the building while the wall finishing occurs. each layer of joint compound can require about a day to dry, and it typically can take about a week to install the gypsum board and finish the flat joints, fasteners, and corner trims for a typical new construction of a home of 2,400 square feet of living space (corresponding to about 10,000 square feet of board). in addition, the need for applying multiple coats of joint compound requires that the user manipulate the joint compound significantly above the plane of the board. to allow the board to appear flat to the naked eye (even though it is not), significant

skill and workmanship is required to achieve the proper visual appearance when the user is functioning above the plane of the board. the additional layers of joint compound must be feathered out wider and wider from the seam in a graduated manner to make the seam appear aesthetically flat. if the user is not significantly skilled, the visual appearance will not be satisfactory. summary in one aspect, the invention provides a drying-type joint compound composition with shrinkage less than 15 percent by volume and viscosity in the range from 15,600 cp to 23,000 cp. the joint compound is suitable for application by spraying. the joint composition comprises, consists, or consists essentially of binder selected from acrylic acid polymers, acrylic acid copolymers, alkyds, polyurethanes, polyesters, epoxies, and combinations thereof. the composition also comprises a plurality of hollow spheres. the spheres desirably have an average isostatic crush strength of at least about 100 psi as measured according to astm d3102-78. the joint compound composition is formulated with the viscosity in the range from 15,600 to 23,000 cp and is suitable for application by spraying. in another aspect, the invention provides a joint compound composition with the viscosity in the range from about 15,600 cp to about 23,000 cp and consisting essentially of (a) latex emulsion binder in an amount from about 3 percent to about 90 percent by weight of the wet composition (b) a plurality of hollow spheres having an average isostatic crush strength of at least about 100 psi as measured according to astm d3102-78, wherein the spheres are present in an amount from about 5 percent to about 25 percent by weight of the wet composition (c) nonionic surfactant in an amount from about 0.001 percent to about 5 percent by weight of the wet composition and (d) humectant in an amount from about 0.001 percent to about 3 percent by weight of the wet composition and, optionally, (e) defoamer in an amount from about 0.05 percent to about 5 percent by weight of the wet composition (f) rheological modifier in an amount from about 0.1 percent to about 5 percent by weight of the wet composition (g) biocide, in an amount from about 0.1 percent to about 1.5 percent by weight of the wet composition (h) bulk filler, such as calcium carbonate or limestone in an amount from about 1 percent to about 40 percent by weight of the wet composition and (i) delaminated clay, such as kaolin clay, in an amount from about 0.1 percent to about 5 percent by weight of the wet composition. in another aspect, the invention provides a method for wall assembly comprising, consisting of, or consisting essentially of two adjacent boards, joined by a seam, wherein the joint compound with the viscosity in the range from about 15,600 cp to 23,000 cp is applied by spraying over the seam. in some embodiments of the method, no more than two spray applications are needed. in further embodiments, only one spray application is needed. the joint compound composition comprises a binder selected from acrylic acid polymers, acrylic acid copolymers, alkyds, polyurethanes, polyesters, epoxies, and combinations thereof. the composition also comprises a plurality of hollow spheres. the spheres desirably have an average isostatic crush strength of at least about 100 psi as measured according to astm d3102-78. in another aspect, the invention provides a method of treating a wallboard assembly of two adjacent boards joined by a seam. the method comprises, consists of, or consists essentially of applying joint tape and one coat of the joint compound composition to the seam, wherein the joint compound has viscosity in the range from 15,600 cp to 23,000 cp and is applied by spraying. the joint compound composition comprises a binder selected from acrylic acid polymers, acrylic acid copolymers, alkyds, polyurethanes, polyesters, epoxies, and combinations thereof. the composition also comprises a plurality of hollow spheres. the spheres desirably have an average isostatic crush strength of at least about 100 psi as measured according to astm d3102-78. the method may further comprise letting the joint compound dry after the spray application and then sanding the seam to obtain a wall with the level 4 finish as measured according to astm c840. brief description of the drawings fig. 1 is a perspective view of a wall assembly. figs. 2a-2b are alternative sectional views taken substantially from the line 2-2 of fig. 1, wherein fig. 2a illustrates a conventional taper for comparative purposes, while fig. 2b illustrates a shallower taper in accordance with embodiments of the invention. figs. 3a-3b are alternative sectional views of a finished joint of two wallboards with tapered edges abutting, wherein fig. 3a illustrates a joint with conventional wide feathering of joint compound for comparative purposes, while fig. 3b illustrates narrower feathering of joint compound, closer to the plane of the board, in accordance with embodiments of the invention. figs. 3c-3d are alternative sectional views of a finished joint of two wallboards with square (i.e., non tapered) edges abutting, wherein fig. 3c illustrates a conventional joint with wide feathering of joint compound for comparative purposes, while fig. 3d illustrates narrower feathering of joint compound, closer to the plane of the b (Results 70)

Search (3) AND PD=(2006 OR 2009 OR 2010 OR 2014 OR 2005 OR 2012 OR 2013 OR 2015 OR 2002 OR 2003 OR 2008 OR 2004 OR 2007 OR 4: 2011 OR 2001 OR 1988) (Results 49)

1) Family number: 28291012 (US2002129744A)

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Title: JOINT COMPOUND PROVIDING LOW DUSTING AND GOOD GLOSS RETENTION

Abstract: The present invention provides a low dusting joint compound comprising a filler, a binder, a thickener and one or more synthetic polymeric waxes that are at least slightly soluble in water and are solid at room temperature. Preferably the wax includes a high molecular weight polyethylene glycol or methoxy polyethylene glycol having an average melting point of from about 80 degrees Fahrenheit (27 degrees Fahrenheit) to about 150 degrees Fahrenheit (80 degrees centigrade). These additives impart low dusting properties without a sticky or oily feel. High molecular weight synthetic waxes also act as an internal binder to hold the joint compound together and improves paint gloss retention. The invention results in a joint compound with improved properties for drywall finishing.

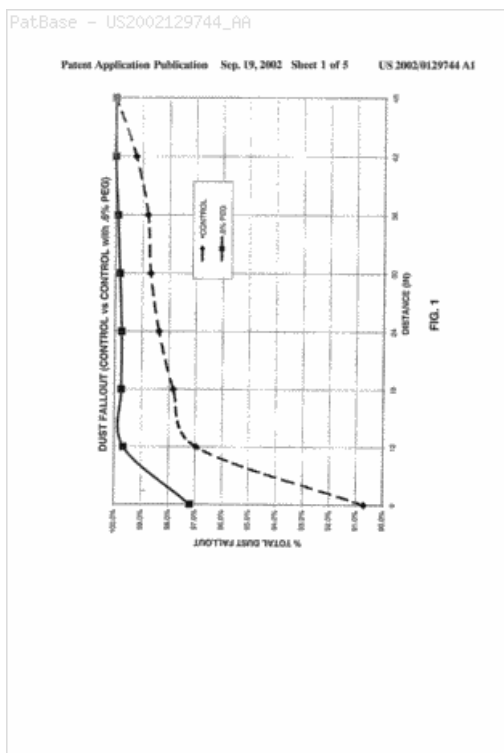
Classifications:

International (IPC 8-9): C04B28/14 (Advanced/Invention); C04B28/00 (Core/Invention)

International (IPC 1-7): C04B11/00 C04B24/00 C04B28/14
CPC: C04B26/02 C04B28/14 C04B2103/0075 C04B2111/00672
C04B2103/0091 C04B2111/00568 C04B2111/00577
C04B2111/00956 C04B2111/30

European: C04B26/02 C04B28/14 M04B103/00W48 M04B103/00W8
M04B111/00T10B M04B111/00T2W M04B111/00T2Y M04B111/00T68
M04B111/30

US: 106/270 106/271 106/272 106/778 106/779 106/780 106/783
106/802 106/817 106/822 264/333 427/355 427/403 427/427 524/4
524/423 524/425



Family:

Publication number	Publication date	Application number	Application date
US2002129744 AA	20020919	US20020093771	20020308

US6355099 BA	20020312	US20000502740	20000211
US6673144 BB	20040106	US20020093771	20020308

Priority:

US20000502740 20000211 US20010284986P 20010419 US20020093771 20020308

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2) Family number: 58856054 (US2015089893A)

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Title: DRYWALL JOINT TAPE AND METHOD

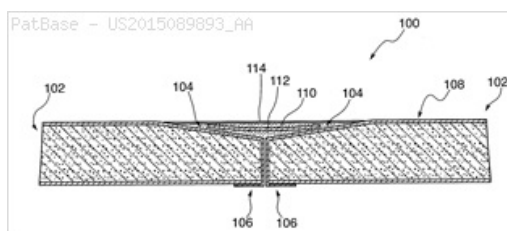
Abstract: A joint tape for drywall includes a substrate layer having an elongate shape in a lengthwise direction and being flexible in the lengthwise direction and in a transverse direction. The tape further includes a covering layer disposed in bonding relation on the substrate layer. The covering layer is rigid in the transverse direction and configured to withstand compressive forces applied generally in the transverse direction and shear stresses applied generally along the transverse direction.

Classifications:

International (IPC 8-9): B32B37/14 B32B5/26 B32B7/02 B32B7/12 C09J7/02 C09J7/20 D03D1/00 E04F13/04 E04F13/07 E04F13/08 E04F21/165 F16B11/00 (Advanced/Invention)

CPC: E04F13/042 E04F21/1657 B32B37/14 E04F13/0887 B32B5/26 B32B7/12 B32B2307/542 B32B2405/00 Y10T156/10 Y10T442/30

US: 156/60 442/181 52/417



Family:

Publication number	Publication date	Application number	Application date
AR097842 AA	20160420	AR2014P103611	20140929
AU2014329812 AA	20160505	AU20140329812	20140929
AU2014329812 BB	20180802	AU20140329812	20140929
BR112016006948 A2	20170801	BR20161106948	20140929
CA2924729 AA	20160317	CA20142924729	20140929
CN105579646 A	20160511	CN201480053295	20140929
CO16098205 A2	20161031	CO20160098205	20160418
EP3052716 A1	20160810	EP20140781034	20140929
IN201617012882 A	20160831	IN201617012882	20160412
JP2016537526 T2	20161201	JP20160518437T	20140929
KR20160065123 A	20160608	KR20167010030	20140929
MX2016004003 A1	20160615	MX20160004003	20140929
RU2016114045 A	20171017	RU20160114045	20140929
RU2669955 C2	20181017	RU20160114045	20140929
TW201514273 A	20150416	TW20140133625	20140926
TWI650396 B	20190211	TW20140133625	20140926
US2015089893 AA	20150402	US20140466736	20140822
US10174508 BB	20190108	US20140466736	20140822
WO15050799 A1	20150409	WO2014US57960	20140929

Priority:

US20130885881P 20131002 US20140466736 20140822 WO2014US57960 20140929

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Assignee(s): ROSENTHAL GUY

Inventor(s): (std): GUY ROSENTHAL ; ROZENTAL GAJ ; ROSENTHAL GUY

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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 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

3) Family number: 33089062 (US2008167412A)

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Title: FIRE-RETARDANT LOW-DENSITY EPOXY COMPOSITION

Abstract: The present invention relates to a curable precursor of a fire-retardant, low-density and essentially halogen-free epoxy composition comprising (i) 10 to 70 weight percent of at least one organic epoxide compound with an epoxide functionality of at least one, (ii) 1 to 55 weight percent of at least one epoxide hardener, (iii) 5 to 50 weight percent of an essentially halogen-free fire-retardant system that includes a mixture of: (1) at least one compound selected from the group comprising alkaline earth metal hydroxides and aluminium group hydroxides, and (2) at least one phosphorous-containing material, (iv) 10 to 60 weight percent of a filler system capable of reducing the density of the precursor that includes a mixture of (1) at least one low-density inorganic filler having a density of between 0.1 to 0.5 g/cm³, (2) at least one low-density organic filler having a density of between 0.01 to 0.30 g/cm³ and being compressible.

Classifications:
International (IPC 8-9): C08G59/00 C08K13/00 C08K13/02 C08K3/20 C08K3/22 C08K3/32 C08K7/22 C08K9/02 C08L63/00 (Advanced/Invention);
C08G59/00 C08L63/00 (Advanced/Non-invention);
C08G59/00 C08K13/00 C08K3/00 C08K7/00 C08L63/00 (Core/Invention)
CPC: C09K21/04 C08K3/22 C08K3/32 C09K21/02
European: C08K3/22 C08K3/32 C09K21/02 C09K21/04
US: 252/601 252/609 523/400 523/451 524/414 524/436 524/436S 524/437 524/437S 524/81

Family:

Publication number	Publication date	Application number	Application date
AT390459 E	20080415	AT20050855491T	20051223
BRPI0519233 A2	20090106	BR2005PI19233	20051223
BRPI0519233 B1	20160607	BR2005PI19233	20051223
CA2592305 AA	20070621	CA20052592305	20051223
CA2592305 C	20130514	CA20052592305	20051223
CN101124275 A	20080213	CN200580048545	20051223
CN101124275 B	20100901	CN200580048545	20051223
DE602005005722 D1	20080508	DE200560005722T	20051223
DE602005005722 T2	20090416	DE200560005722T	20051223
EP1674518 A1	20060628	EP20040030580	20041223
EP1838776 A1	20071003	EP20050855491	20051223
EP1838776 B1	20080326	EP20050855491	20051223
ES2302256 T3	20080701	ES20050855491T	20051223
JP2008525599 T2	20080717	JP20070548563T	20051223
JP5384830 B2	20140108	JP20070548563T	20051223
KR20070090032 A	20070904	KR20077016629	20070720
US2008167412 AA	20080710	US20050721833	20051223
US8188165 BB	20120529	US20050721833	20051223
WO06071820 A1	20060706	WO2005US46940	20051223

Priority:
EP20040030580 20041223 EP20050855491 20051223 WO2005US46940 20051223

Probable Assignee: 3M CO

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Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY

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Agent(s): SMART AND BIGGAR; KURZ ARND ET AL; 3M INNOVATIVE PROPERTIES COMPANY; 3M INNOVATIVE PROPERTIES CO; PHILIP Y

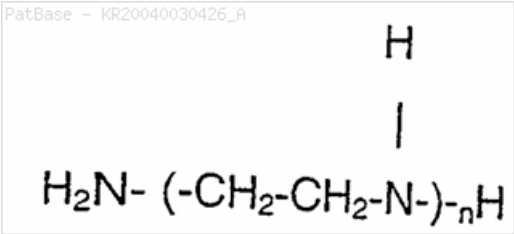
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4) Family number: 30089080 (US2002115736A) © PatBase

Title: TWO COMPONENT THERMOSETTABLE COMPOSITIONS USEFUL FOR PRODUCING STRUCTURAL REINFORCING ADHESIVES

Abstract: A two part system for producing structural reinforcing adhesives is provided wherein one component containing epoxy resin is combined with a second component containing a specified curative system. An aliphatic polyamine, an amidoamine, an alcohol and an adduct of a polyamine and an epoxide are present in the curative system. When a thermally activated blowing agent is utilized, the resulting foam is remarkably uniform in cell structure and has improved strength and modulus. Hollow inorganic microspheres are employed to reduce the density of the thermoset produced from the two part system.

Classifications:
International (IPC 8-9): C08J9/22 C08J9/32 C08L63/00 C09J109/02 C09J11/04 C09J11/06 C09J163/00 C09J163/02 (Advanced/Invention);
C09J163/00 (Advanced/Non-invention);
C08J9/00 C08L63/00 C09J109/00 C09J11/02 C09J163/00 C09J163/02 (Core/Invention)
International (IPC 1-7): C08G59/68 C08J9/00 C08J9/22 C08J9/32 C08L63/00 C09J109/02 C09J11/04 C09J11/06 C09J163/00 C09J163/02
CPC: C08J9/32 C08J2363/00 C09J163/00
European: C08J9/32 C09J163/00 M08J363/00
US: 521/135 521/140 521/178 521/54 521/89 521/94 521/95 521/99 521/99P 523/219 528/88 528/88S



Family:

Publication number	Publication date	Application number	Application date
AU2001296797 AA	20020422	AU20010296797	20011010
BRPI0114496 A	20031230	BR2001PI14496	20011010
CA2425414 AA	20030410	CA20012425414	20011010
DE60118230 D1	20060511	DE20016018230	20011010
DE60118230 D1	20060511	DE20016018230T	20011010
DE60118230 T2	20061228	DE20016018230T	20011010
EP1328602 A2	20030723	EP20010977697	20011010
EP1328602 B1	20060322	EP20010977697	20011010
ES2257447 T3	20060801	ES20010977697T	20011010
IN00684CN2003 A	20050415	IN2003CN00684	20030507
JP2004511616 T2	20040415	JP20020534449T	20011010

KR20040030426 A	20040409	KR20037005004	20011010
US2002115736 AA	20020822	US20010974459	20011010
US6451876 BA	20020917	US20010974459	20011010
WO0231077 A2	20020418	WO2001US31732	20011010
WO0231077 A3	20020704	WO2001US31732	20011010

Priority:

US20000685551 20001010 US20010946584 20010904 US20010974459 20011010
WO2001US31732 20011010

Probable Assignee: HENKEL AND CO KGAA AG

Assignee(s): (std): HENKEL CORP ; HENKEL KGAA ; KOSHY VETTITHARA C

Assignee(s): HENKEL AND CO KGAA AG ; HENKEL AUF AKTIEN KG ; HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN

Inventor(s): (std): KOSHY C ; KOSHY VETTITHARA C ; VETTITHARA C KOSHY

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; OGILVY RENAULT LLP SENCRL SRL

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

5) Family number: 42176103 (US2008230742A)

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Title: HOLLOW ELEMENT FILLED CURABLE BODY REPAIR COMPOUNDS

Abstract: A curable body repair material is described. The curable body repair material includes a curable polymeric resin, and a plurality of hollow elements. The curable body repair includes less than 3 percent by number of hollow elements having a diameter greater than 100 micrometers. Method of making and using the same are also described.

Classifications:

International (IPC 8-9): B05D3/00 B05D3/12 B05D5/00 B05D7/00 B05D7/14 B05D7/24 C08F283/01 C08J9/32 C08K7/28 C08L33/06 C08L67/06 C09D167/06 C09D201/00 C09D4/00 C09D5/34 C09D7/12 C09K3/10 (Advanced/Invention); B05D7/14 B05D7/24 C08K7/00 C08L67/00 C09D167/06 C09D201/00 C09D4/00 C09D5/34 C09D7/12 C09K3/10 (Core/Invention)

International (IPC 1-7): C08L67/06

CPC: C08F283/01 C09D167/06 C08K7/28 C08L67/06

European: C08F283/01 C08L67/06 C09D167/06 M08K7/28

US: 252/182.13 252/182.130P 427/140 427/140P 523/218 523/219 524/494 524/494S

Family:

Publication number	Publication date	Application number	Application date
AU2008229241 AA	20080925	AU20080229241	20080220
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EP2137259 A1	20091230	EP20080730202	20080220
EP2137259 B1	20140129	EP20080730202	20080220
ES2458310 T3	20140430	ES20080730202T	20080220
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JP5453118 B2	20140326	JP20090554612T	20080220
KR101446369 B1	20141001	KR20097020192	20080220
KR20100014626 A	20100210	KR20097020192	20080220
RU2009134877 A	20110427	RU20090134877	20080220
RU2469057 C2	20121210	RU20090134877	20080220
US2008230742 AA	20080925	US20070688004	20070319
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Priority:

US20070688004 20070319 EP20080730202 20080220 WO2008US54349 20080220
US20110231545 20110913

Probable Assignee: 3M CO

Assignee(s): (std): 3M CO ; 3M INNOVATIVE PROPERTIES CO ; 3M INNOVATIVE PROPERTIES CO US ; SCHULZ MARK F ; JANSSEN JEFFREY R

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; 3M INNOVEJTIV PROPERTIZ KOMPANI ; 3M INNOVATIVE PROPERTIES CO SAINT PAUL

Inventor(s): (std): JANSSEN JEFFREY R ; SCHULZ MARK F ; DZHENSSSEN DZHEFFRI R ; SHUL TTS MARK F

Inventor(s): SCHULZ MARK ; JANSSEN JEFFREY ; MARK F SCHULZ ; JEFFREY R JANSSEN ; SCHULZ MARK F SAINT PAUL ; SHUL'TTS MARK F. ; JANSSEN JEFFREY R SAINT PAUL

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; VOSSIUS AND PARTNER; DE ELZABURU ALBERTO; 3M INNOVATIVE PROPERTIES COMPANY; 3M INNOVATIVE PROPERTIES CO; STEWART PAMELA L 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 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 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 ZA ZM ZW

Title: ENERGY-ACTIVATED ROOM TEMPERATURE-PUMPABLE POLYMER COMPOSITIONS AND DEVICES FOR ACTIVATING AND DISPENSING THE SAME

Abstract: Energy-activated room temperature-pumpable polymer compositions, devices for activating and processing the same into solid cellular or non-cellular polymeric materials that can be used as adhesives, sealants, coatings or gasket materials, and methods of making and using the same. The compositions according to the invention include solid particles that include one or more polymers, which are emulsified, dispersed or suspended in a liquid carrier together with at least one processing aid, such as a reactive blowing agent, a low molecular weight surfactant, a high molecular weight surfactant, one or more compounds found in latex paint, starch, cellulosic derived products and combinations of two or more thereof. The processing aids provide various benefits including, for example, reduced density, improved process hygiene, improved foam stability, faster bonding times and/or lower processing temperatures.

Classifications:

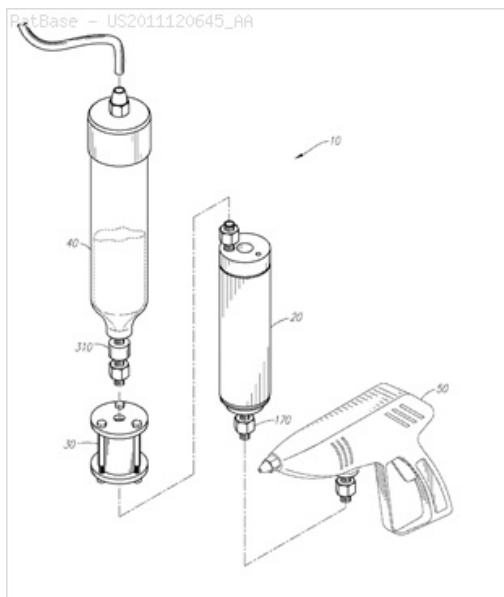
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International (IPC 1-7): C08F255/02 C08K5/01

CPC: C09J131/04 C08J3/212 C08J9/06 C08J2207/02

European: C08J3/21D C08J9/06 M08J207/02

US: 1/1 156/328 521/134 521/134S 521/142 521/142S 521/82 521/82S 521/86 521/86S 521/88 521/88S 521/94 521/94S 521/97 521/97S 521/98 521/98S 524/17 524/17S 524/35 524/35S 524/47 524/47S 524/48 524/48S 524/53 524/55 524/55S 524/563 524/563S 525/221 525/221S 525/227 525/227S



Family:

Publication number	Publication date	Application number	Application date
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AU2013202086 BB	20150226	AU20130202086	20130327
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EP2581395 A2	20130417	EP20130150794	20090225
HK1154256 A1	20120413	HK20110106703	20110629
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RU2502750 C2	20131227	RU20100134492	20090225
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US9353297 BB	20160531	US20140179969	20140213
WO09108685 A1	20090903	WO2009US35115	20090225

Priority:

US20080031405P 20080226	US20080031406P 20080226	US20080031409P 20080226
US20080041330P 20080401	US20080108685P 20081027	US20080119220P 20081202
AU20090219391 20090225	EP20090714940 20090225	JP20100548839 20090225
JP20100548839T 20090225	US20090919284 20090225	WO2009US35115 20090225
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US20140179969 20140213		

Probable Assignee: LIQUAMELT CORP

Assignee(s): (std): FULLER H B CO ; KROTINE JEFFREY C ; LIQUAMELT CORP ; JORGENSON MICHAEL W ; HEYDE KENNETH E ; ALESSIO DAVID J ; DIPRE SAMUEL ; EHJCH BI FULLER KOMPANI ; LIQUALMELT CORP ; STUMPHAUSER WILLIAM C ; WOLF JOSEPH J ; PARKER ANTHONY A

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; EHJCHBI FULLER KOMPANI ; H B FULLER CO ; H B FULLER COMPANY ; HB FULLER CO

Inventor(s): (std): DIPRE SAMUEL ; DIPRE SEHM JUEHL ; HEYDE KENNETH E ; JEFFREY C KROTINE ; JORGENSON MAJKL U ; JORGENSON MICHAEL W ; JOSEPH J WOLF ; KENNETH E HEYDE ; KHEJDE KENNETH I ; KROTIN DZHEFFRI K ; KROTINE JEFFREY C ; MICHAEL W JORGENSON ; PARKER ANTHONY A ; PARKER EHNTONI A ; SAMUEL DIPRE ; STAMPKHAUSER UIL JAM K ; STUMPHAUSER WILLIAM C ; STUMPHAUSER WILLIAM C ; VULF DZHOZEF DZH ; WILLIAM C STUMPHAUSER ; WOLF JOSEPH J ; KROTINE JR JEFFREY C ; ALESSIO DAVID J ; ALESSIO DEHVID DZH ; ALESSIO DAVID J ; ANTHONY A PARKER ; DAVID J ALESSIO

Inventor(s): DAVID J ALESSO ; JOSEPHJ WOLF
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; MILTONS IP PI; EMMEL THOMAS; HANSEN NORBERT; IT AND T INT PATENT AND TRADEMARK AGENT LTD; IWAHASHI YUJI; KRISTI; KIRSTEN; DIGGES RANDOLPH E III
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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 29685162 (US6884830B) © PatBase

Title: FLEXIBLE SETTING JOINT COMPOUND AND METHOD FOR MAKING FLEXIBLE JOINTS

Abstract: A flexible setting type hydraulic joint compound and a method of forming flexible joints. The flexible joint compound of this invention primarily contains 2 to 20 parts by weight of an emulsion polymer having a T_g that is less than about -40 degrees centigrade, and 22 to 44 parts by weight of total water, based on 100 parts by weight calcium sulfate hemihydrate filler. It can be applied to joints between two adjacent sheets of gypsum board to form a flexible joint that is resistant to cracking.

Classifications:
International (IPC 8-9): C04B24/26 C04B28/14 (Advanced/Invention); C04B28/00 (Core/Invention)
International (IPC 1-7): C04B111/50 C04B24/26 C04B28/14 C09K3/10
CPC: C04B28/14 C04B2111/00689 C04B2111/50
European: C04B28/14 M04B111/00T10B4 M04B111/50
US: 524/4 524/5 524/8

Family:

Publication number	Publication date	Application number	Application date
CA2356063 AA	20020306	CA20012356063	20010830
EP1186577 A2	20020313	EP20010121285	20010905
EP1186577 A3	20031203	EP20010121285	20010905
US6884830 BA	20050426	US20000655899	20000906

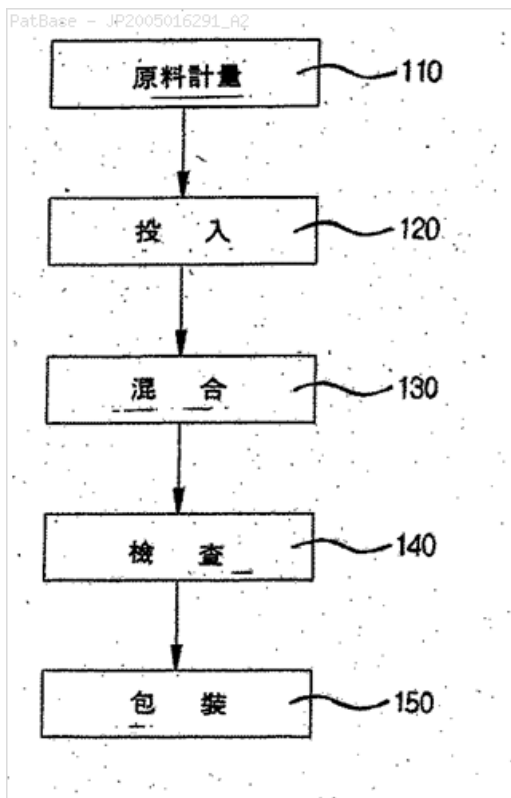
Priority:
US20000655899 20000906 CA20012356063 20010830
Probable Assignee: AIR PRODUCTS POLYMERS LP
Assignee(s): (std): AIR PRODUCTS POLYMERS L P ; AIR PRODUCTS POLYMERS LP
Assignee(s): AIR PRODUCTS POLYMERS LP PATENT DEPARTMENT ; HORNAMAN E CHRIS ; AIR PRODUCTS AND CHEMICALS INC
Inventor(s): (std): HORNAMAN E CHRIS ; HORNAMAN CHRIS E
Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; BONGIORNO MARY E; MARY E
Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

8) Family number: 31736197 (JP2005016291A) © PatBase

Title: COMPOSITION FOR BUILDINGS, AND ITS METHOD OF APPLICATION

Abstract: PROBLEM TO BE SOLVED: To provide a composition for buildings having improved thermal insulation, heat resistance, impact resistance and workability by using inorganic-based hollow particles or organic-based hollow particles having air layer inside as well as the method of use for the compositions. SOLUTION: The compositions for buildings are produced by adding and mixing at least one kind of hollow particles selected out of inorganic or organic hollow particles to a mixture for buildings; this composition for building is coated for finishing interior or exterior wall surfaces of the building and then dried for 8 to 24 hours at the normal temperature and thereafter used as heat insulated finish material.

Classifications:
International (IPC 8-9): C04B14/04 C04B22/10 C08J5/00 C09D1/06 C09D101/28 C09D133/00 C09D5/00 C09D7/12 C09J1/00 C09J101/28 C09J133/00 E04F13/02 (Advanced/Invention); C04B14/04 C04B22/10 C08J5/00 (Advanced/Non-invention); C04B14/02 C04B22/00 C08J5/00 C09D1/00 C09D101/00 C09D133/00 C09D5/00 C09D7/12 C09J1/00 C09J101/00 C09J133/00 E04F13/02 (Core/Invention)
International (IPC 1-7): C04B14/04 C04B22/10 C08J5/00 C09D1/06 C09D101/28 C09D133/00 C09D5/00 C09D7/12 C09J1/00 C09J101/28 C09J133/00 E04F13/02
CPC: E04B1/762 C08L33/06 C08L2205/20 C04B22/10 C04B14/04 C04B20/002 C04B24/2641 C04B2111/00482 C04B2111/00637 C04B20/004 C04B2111/40 C04B2201/30

**Family:**

Publication number	Publication date	Application number	Application date
JP2005016291 A2	20050120	JP20040139188	20040507
KR100528133 B1	20051115	KR20030055347	20030811
KR20050001920 A	20050107	KR20030042922	20030628
KR20050017025 A	20050221	KR20030055347	20030811
KR20050051840 A	20050602	KR20030085502	20031128

Priority:

KR20030042922 20030628 KR20030055347 20030811 KR20030085502 20031128

Probable Assignee: ILJIN C P S CO LTD

Assignee(s): (std): ILJIN C P S CO LTD ; ILJIN CPS CO LTD

Assignee(s): ILJIN CPS CO

Inventor(s): (std): KIM GWANG RYUL ; KIM KWANG RYUL

9) Family number: 32362233 (US2005235878A)

© PatBase

Title: JOINT COMPOUNDS USING THICKENERS PREPARED FROM RAW COTTON LINTERS

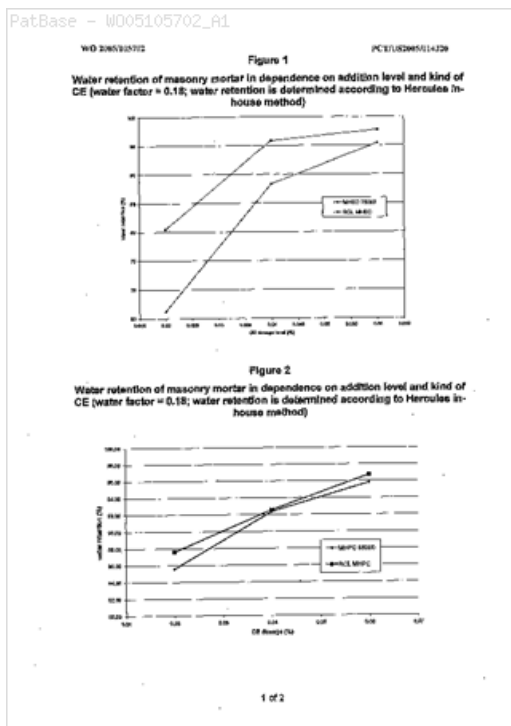
Abstract: A mixture composition of a cellulose ether made from raw cotton linters and at least one additive is used in a ready mixed joint compound composition wherein the amount of the cellulose ether in the joint compound composition is significantly reduced. When this joint compound composition is mixed with water and applied to a substrate, the water retention, sag resistance, and workability of the wet joint compound are comparable or improved as compared to when using conventional similar cellulose ethers.

Classifications:

International (IPC 8-9): C04B28/02 C04B28/14 B63H3/00 B64C11/26 C04B12/04 C04B14/00 C04B16/02 C04B16/06 C04B22/16 C04B24/04 C04B24/08 C04B24/10 C04B24/12 C04B24/24 C04B24/26 C04B24/28 C04B24/32 C04B24/38 C04B26/00 C04B26/02 C04B28/26 C04B40/00 C04B40/06 C04B7/00 C08L1/26 C08L1/28 C09D101/26 C09D101/28 E04F13/02 F01D5/28 (Advanced/Invention); C04B16/02 C04B16/06 C04B22/10 C04B22/12 C04B24/04 C04B24/10 C04B24/24 C04B24/26 C04B24/28 C04B24/38 C04B26/02 C04B28/02 C04B28/14 (Advanced/Non-invention); B63H3/00 B64C11/00 C04B12/00 C04B14/00 C04B16/00 C04B18/14 C04B22/00 C04B24/00 C04B24/02 C04B24/38 C04B26/00 C04B28/00 C04B40/00 C04B7/00 C08B11/20 C08L1/00 C09D101/00 C09K3/10 E04F13/02 F01D5/28 (Core/Invention); C04B16/00 C04B22/00 (Core/Non-invention); C04B (Subclass/Invention)

International (IPC 1-7): C04B12/04 C04B14/00 C04B16/00 C04B18/14 C04B24/02 C04B24/10 C04B24/38 C04B28/02 C04B28/14 C04B28/26 C04B7/00 C04B7/345 C08B11/20 C09K3/10
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European: B63H3/00S C04B24/38B C04B26/02 C04B28/02 C04B28/14 C04B40/00D4 C04B40/06A M04B103/00P12 M04B103/00Z M04B111/00M14 M04B111/00M8 M04B111/00T10B

M04B111/00T2 M04B111/00T8 M04B111/00T8B M04B111/34
M04B111/56 M04B201/10
US: 106/140.1 106/162.8 106/162.82 106/172.1 106/175.1
106/191.1 106/194.2 106/197.01 106/618 106/780 106/801 106/805
524/36 524/42 524/43 524/44



Family:

Publication number	Publication date	Application number	Application date
AR049802 AA	20060906	AR2005P101674	20050428
AR049803 AA	20060906	AR2005P101675	20050428
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WO05105700 A1	20051110	WO2005US14208	20050426
WO05105701 A1	20051110	WO2005US14258	20050425
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ZA200609884 A	20080730	ZA20060009884	20061127
ZA200609885 A	20080227	ZA20060009885	20061127
ZA200609887 A	20080730	ZA20060009887	20061127

Priority:

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WO2005US13691	20050421	US20050113262	20050422	WO2005US13949	20050422
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WO2005US13778	20050425	WO2005US14258	20050425	US20050114479	20050426
WO2005US14208	20050426	WO2005US14320	20050426		

Probable Assignee: HERCULES INC

Assignee(s): (std): HERCULES INC ; HAGEN WOLFGANG ; TRUSTEES OF UNIV OF ; HOHN WILFRIED ; MORGENROTH CHRISTIAN ; SCHWEIZER DIETER ; PODLAS THOMAS J ; HILDEBRANDT WOLFGANG ; BOARD OF TRUSTEES OF UNIV OF ILLINOIS

Assignee(s): CREDIT SUISSE CAYMAN ISLANDS BRANCH WAS KNOWN C AS ; BANK OF NOVA SCOTIA ADMINISTRATIVE AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH WAS KNOWN CREDIT SUISSE FIRST BOSTON COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH WAS KNOWN AS C ; CREDIT SUISSE CAYMAN ISLANDS BRANCH WAS KNOWN AS CREDIT SUISSE FIRST BOSTON AS COLLATERAL AGENT.. ; ISP INVESTMENTS INC ; BOARD OF TRUSTEES OF UNIV ; BOARD OF TRUSTEES OF UNIV OF ; BOARD OF TRUSTEES OF UNIV OF ILLINOIS ; AQUALON CO ; ASHLAND INC ; ASHLAND LICENSING AND INTELLECTUAL PROPERTY LLC ; BANK OF AMERICA NA ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; BANK OF AMERICA NA AS ADMINISTRATIVE AGENT ; BOARD OF TRUSTEES OF UNIV ILLINOIS

Inventor(s): (std): CHRISTIAN MORGENROTH ; DIETER SCHWEIZER ; HAGEN WOLFGANG ; HILDEBRANDT WOLFGANG ; HOHN WILFRIED ; PODLAS THOMAS J ; SCHWEIZER DIETER ; WILFRIED HOHN ; WILLFRIED HOHN ; WOLFGANG HAGEN ; WOLFGANG HILDEBRANDT ; MORGENROTH CHRISTIAN ; HOHN WILFRIED

Inventor(s): HAGEN WOLFGANG HOHN WILFRIED SCHWEIZER DIETER ; HAGEN WOLFGANG HILDEBRANDT WOLFGANG HOHN WILFRIED ; PODLAS THOMAS ; WILFRIED HOHN ; HOHN WILFRIED SCHWEIZER DIETER ; HOHN WILFRIED MORGENROTH CHRISTIAN SCHWEIZER DIETER ; HOHN WILFRIED MORGENROTH CHRISTIAN SCHWEIZER ; HOHN WILFRIED MORGENROTH CHRISTIAN SCHWEIZER DIETER ; HOHN WILFRIED ; HAGEN WOLFGANG HILDEBRANDT WOLFGANG HOHN ; HAGEN WOLFGANG HILDEBRANDT WOLFGANG HOHN WILFRIED SCHWEIZER DIETER

Agent(s): MOFFAT AND CO; ONO SHINJIRO; CHIBA AKIO; NOYA HIROAKI; TOMITA HIROYUKI; KOBAYASHI YASUSHI; SHAMOTO ICHIO; HERCULES INC HERCULES PLAZA; DAVID

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

10) Family number: 2267238 (US4686253A)

© PatBase

Title: Lightweight joint compound having improved paintability

Abstract: Expanded perlite coated with a composition to render the perlite impervious to water, and a joint compound incorporating the same. The perlite is ground prior to expansion to provide subsequently expanded perlite having a mean particle size from about 50 to about 70 microns, the joint compound formed from the perlite having greater uniformity in paint gloss appearance between the painted surface of the joint compound and the painted surface of the gypsum wallboard on which the joint compound is applied.

Classifications:

International (IPC 8-9): C04B11/02 C04B14/00 C04B14/04 C04B14/06 C04B14/10 C04B14/18 C04B14/20 C04B14/28 C04B14/36 C04B20/10 C04B24/00 C04B24/38 C04B26/00 C04B26/04 C04B28/14 C04B28/18 C04B28/26 C08K3/00 C08K5/54 C09D5/34 C09K3/10 (Advanced/Invention); C09K3/10 (Advanced/Non-invention);

C04B (Subclass/Invention)

International (IPC 1-7): B05D5/00 B32B1/00 C04B11/02
C04B11/024 C04B11/16 C04B14/00 C04B14/04 C04B14/06
C04B14/10 C04B14/18 C04B14/20 C04B14/28 C04B14/36
C04B20/06 C04B20/10 C04B24/00 C04B24/24 C04B24/38
C04B26/00 C04B26/04 C04B28/14 C04B28/18 C04B28/26 C08K3/00
C08K5/54 C08K9/04 C08K9/06 C09D5/34 C09K3/00 C09K3/10
E04B1/00
CPC: C04B14/185 C04B26/04 C04B2111/00672 C09D5/34
European: C04B14/18B C04B26/04 C09D5/34 M04B111/00T10B
US: 106/409 106/675 523/212 523/218 524/268 524/423 524/425
524/43 524/44 524/445 524/47 524/53

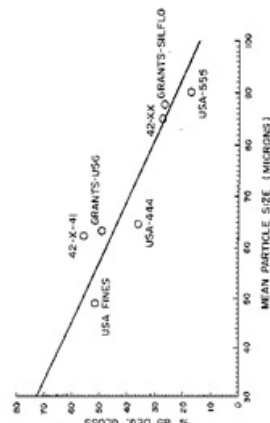
PatBase - US4686253_R

U.S. Patent

Aug. 11, 1987

4,686,253

VARIAION OF PAINT GLOSS (85 DEG.)
WITH MEAN PARTICLE SIZE OF EXPANDED PERLITE



Family:

Publication number	Publication date	Application number	Application date
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AU603565 B2	19901122	AU19870070837	19870128
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DE3773305 D1	19911031	DE19873773305	19870128
DK172270 B1	19980216	DK19870005443	19871019
DK544387 A	19871214	DK19870005443	19871019
DK544387 A0	19871019	DK19870005443	19871019
EP0258384 A1	19880309	EP19870901784	19870128
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JP2532904 B2	19960911	JP19870501432	19870128
JP63502425 T2	19880914	JP19870501432T	19870128
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US4686253 A	19870811	US19860831973	19860220
WO8705008 A1	19870827	WO1987US00156	19870128

Priority:

US19860831973 19860220 CA19870528061 19870123 EP19870901784 19870128
WO1987US00156 19870128 KR19870001379 19870219

Probable Assignee: UNITED STATES GYPSUM CO

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

Assignee(s): UNITED STATES GYPSUM CO A CORP OF DE ; UNITED STATES GYPSUM COMPANY ; YUU ESU JII CORP ; WILLIAMS TERRANCE L ; EBY LAWRENCE T ; STRUSS ARTHUR W

Inventor(s): (std): EBY LAWRENCE T ; EBY LAWRENCE THORNTON ; STRUSS ARTHUR W ; STRUSS ARTHUR WILLIAM ; WILLIAMS TERRANCE L ; WILLIAMS TERRANCE L ; WILLIAMS TERRANCE LEE

Inventor(s): TERRANCE LEE WILLIAMS ; LAWRENCE THORNTON EBY ; ARTHUR WILLIAM STRUSS ; EBII RAURENSU SOONTON ; EBY L T ; SUTORASU AASAA UIRIAMU ; UIRIAMU TERENSU RII ; WILLIAMS T L ; STRUSS A W

Agent(s): GRIFFITH HACK; MACRAE AND CO

Designated states: AT AU BE CH DE DK FI FR JP LI LU NL NO SE

Title: PANELIZED WALL SYSTEM UTILIZING TROUGH-EDGE BUILDING PANELS

Abstract: Disclosed herein are panelized wall systems and methods for their construction, wherein the wall systems have elastomeric joints that are resistant to cracking. The walls are constructed with trough-edge building panels. The trough-edge building panels are preferably fiber cement. The front surface of each panel has a trough adjacent to an edge of the panel. Panels are fastened to a frame with the trough-edges adjacent to each other. A joint tape is applied to the seam between the panels such that the edges of the joint tape fall within the troughs of the adjacent panels. The wall is then finished with an elastomeric finish.

Classifications:

International (IPC 8-9): A61F13/02 A61F13/58 A61F15/00 A61L15/58 A63C5/12 B29C65/00 B32B13/02 B32B13/14 B32B23/02 B32B3/02 B32B31/00 B32B33/00 B32B5/26 B32B7/02 B32B7/04 B32B7/06 B32B7/12 B41M1/30 B42D15/00 B44C1/10 B44C3/02 B44C5/00 B44C5/04 B44F1/06 B60J1/00 B60J10/00 B60R13/02 B60R13/04 B65D90/02 C09J133/08 C09J133/14 C09J133/20 C09J135/06 C09J135/08 C09J139/06 C09J7/00 C09J7/02 C09J7/04 D21H17/35 D21H17/37 D21H19/22 D21H23/46 D21H27/30 E04B1/62 E04B1/80 E04B2/72 E04B2/82 E04B5/04 E04C1/39 E04C2/04 E04C2/20 E04C2/24 E04C2/38 E04C2/40 E04D1/36 E04F13/00 E04F13/04 E04F13/08 E04F13/14 E04F13/16 E04F15/14 E04F15/22 E04F19/04 E06B3/30 E06B3/62 E06B7/14 F16L59/00 F41H7/04 G09F15/00 G09F3/02 (Advanced/Invention);

B32B37/12 E04B5/04 E04C2/04 E04F19/02 (Advanced/Non-invention)

International (IPC 1-7): A61F13/02 A61F13/58 A61F15/00 A61L15/58 A63C5/12 B29C65/00 B32B13/02 B32B15/00 B32B31/00 B32B33/00 B32B5/26 B32B7/02 B32B7/06 B32B9/00 B41M1/30 B42D15/00 B44C1/10 B44C3/02 B44C5/00 B44C5/04 B44F1/06 B60J1/00 B60J10/00 B60R13/02 B60R13/04 B65D90/02 C09J133/00 C09J133/08 C09J133/14 C09J7/00 C09J7/02 C09J7/04 D21H17/35 D21H17/37 D21H19/22 D21H23/46 D21H27/30 E04B1/00 E04B1/62 E04B1/68 E04B1/80 E04B2/00 E04B2/72 E04B5/04 E04C2/00 E04C2/04 E04C2/20 E04C2/24 E04C2/38 E04C2/40 E04C3/00 E04D1/36 E04F13/00 E04F13/04 E04F13/14 E04F15/14 E04F15/22 E04F19/04 E04G11/00 E04G11/06 E04G21/00 E04G23/00 E06B3/30 E06B3/62 E06B7/14 F16L59/00 F41H7/04 G09F3/02

CPC: E04F13/042 A61L15/58 B29C66/1122 B60J1/002 C09J133/08 C09J133/20 C09J135/06 C09J135/08 C09J139/06 E04C2/044 E04F13/00 E04F13/04 E04F13/047 E04F13/08 E04F13/0885 E04F13/0889 E04F13/16 E04F19/022 E06B7/14 G09F3/0288 G09F15/00 G09F15/0006 Y10T156/1039 Y10T156/1788 Y10T428/14 Y10T428/1476 Y10T428/19 Y10T428/20 Y10T428/24488 Y10T428/24777 Y10T428/28 B29C66/72941 B29C66/433 B29C66/435 B60J10/15 B29C66/71 B32B5/022 B32B2262/0261 B32B2262/0276 B32B13/02 B32B13/14 B44C5/04

European: A61L15/58 B29C65/00H6C B29C66/1122 B32B13/02 B32B13/14 B44C5/04 B60J1/00C B60J10/00C C09J133/08 C09J133/20 C09J135/06 C09J135/08 C09J139/06 E04C2/04D E04F13/00 E04F13/04 E04F13/04C E04F13/08 E04F13/08Q E04F13/08R E04F13/16 E06B7/14 G09F15/00 G09F15/00B G09F3/02C P04F13/00 P04F19/02B

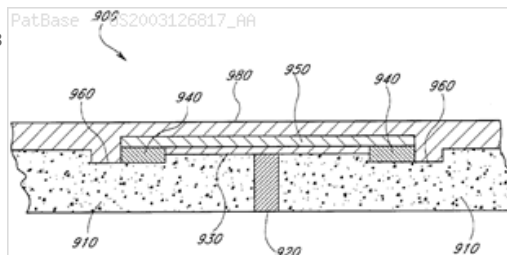
US: 156/219 156/289 156/289S 156/304.5 156/45 156/574 156/71 156/71S 428/157 428/192 428/343 428/343S 428/40.1

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52/782.100S 52/800.1 524/590 525/490

**Family:**

Publication number	Publication date	Application number	Application date
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AU2002357761 AA	20030610	AU20020357761	20021125
AU2002357761 BB	20090312	AU20020357761	20021125
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AU2002359520 BB	20080313	AU20020359520	20021125
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CL2002002718 A1	20040319	CL20020002718	20021127
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KR20040078106 A	20040908	KR20047008133	20021125
KR20040093666 A	20041106	KR20047008134	20021125
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NZ533313 A	20061222	NZ20020533313	20021125
NZ533314 A	20060428	NZ20020533314	20021125
NZ533315 A	20070727	NZ20020533315	20021125
TW200304979 A	20031016	TW20020134531	20021127
TW200304980 A	20031016	TW20020134528	20021127
TW200304981 A	20031016	TW20020134530	20021127
TW200305679 A	20031101	TW20020134527	20021127
TWI234600 B	20050621	TW20020134530	20021127
TWI234602 B	20050621	TW20020134527	20021127

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): HARGROVE PAMELA L ; STEVENS RICHARD B ; UNITED STATES GYPSUM CO

Inventor(s): (std): HARGROVE PAMELA L ; STEVENS RICHARD B ; RICHARD B STEVENS ; PAMELA L HARGROVE

Agent(s): MOFFAT AND CO; PRADIP; GREER BURNS AND CRAIN LTD; PHILIP T

13) Family number: 3012348 (US4885203A)

© PatBase

Title: LIGHTWEIGHT FIRED BUILDING PRODUCTS

Abstract: Brick and tile products are made from a homogeneous mixture of low grade in expensive ceramic microspheres and clay or other binding agent. The microspheres have an axial oxide content under 6 percent by weight and a melting point in excess of the temperature at which brick and tile are fired. The microspheres have random sizes ranging between one third and 200 microns. Brick utilizing the invention is significantly lower in weight and permeability, require much less energy to sinter and less time for firing. Improved thermal and acoustic insulation value is obtained with the invention, and vulnerability to thermal shock is diminished.

Classifications:

International (IPC 8-9): C04B38/08 (Advanced/Invention);
C04B38/08 (Core/Invention)

International (IPC 1-7): B01D47/04 B05D3/02 B32B5/16 C04B35/00 C04B35/18 F23M5/02

CPC: Y10T428/25 Y10T428/258 Y10T428/26 Y10T428/268 Y10T428/2982 C04B38/08 Y10T428/249971 Y10T428/249976

European: C04B38/08

US: 110/338 264/56 428/220 428/313.3 428/314.4 428/323 428/330 428/332 428/338 428/402 501/141 501/155

Family:

Publication number	Publication date	Application number	Application date
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GB2206345 A1	19890105	GB19880015595	19880630
GB8815595 A0	19880803	GB19880015595	19880630
US4885203 A	19891205	US19870068429	19870701

Priority:

US19870068429 19870701

Probable Assignee: APPLIED ULTRALIGHT TECHNOLOGIES INC A CORP OF MN

Assignee(s): (std): APPLIED ULTRALIGHT TECHNOLOGIE

Assignee(s): APPLIED ULTRALIGHT TECHNOLOGIES ; APPLIED ULTRALIGHT TECHNOLOGIES INC ; APPLIED ULTRALIGHT TECHNOLOGIES INC A CORP OF MN

Inventor(s): (std): WAKAT GEORGE ; WAKAT GEORGE H

Inventor(s): GEORGE H WAKAT ; GEORGE WAKAT

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD

14) Family number: 41771361 (US2008101151A)

© PatBase

Title: APPARATUS AND METHOD FOR WET MIXING CEMENTITIOUS SLURRY FOR FIBER-REINFORCED STRUCTURAL CEMENT PANELS

Abstract: A wet mixer apparatus and method for its use, the mixer having a vertical mixing chamber for forming a wet slurry of a cementitious slurry and water. The vertical mixing chamber is designed to provide the required amount of mixing to provide thoroughly mixed, uniformly thin slurry within a mixing residence time that allows for adequate supply of slurry to ensure continuous operation of an associated cement panel production line. Gravity feeding for separate supply of cementitious powder and water to the slurry mixing area of the chamber without pre-mixing of the powder and water is also disclosed.

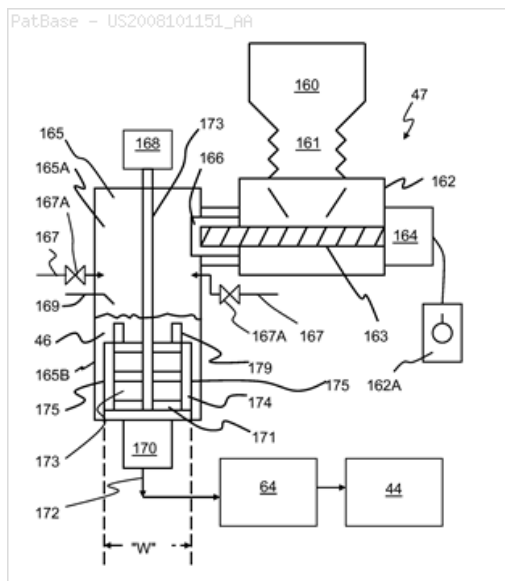
Classifications:

International (IPC 8-9): A01N43/04 B28C B28C5/16 B28C5/38
B28C7/10 B28C7/12 B32B38/00 C12Q1/68 (Advanced/Invention);
B28C5/00 B28C7/00 B32B38/00 (Core/Invention)

CPC: Y02W30/94 B28C7/0418 B01F3/1221 B01F7/32 B01F15/0251
B28B19/0092 B28C5/1284 C04B40/00

European: B01F15/02B400 B01F3/12C B01F7/32 B28C5/12F5B
B28C7/04B4 C04B40/00 L28B19/00K

US: 156/39 366/141 366/141S 366/153.1 366/156.1 366/18 366/18S
366/20 366/20S 366/27 366/27S 366/325.8 366/35 366/35S 366/51
366/51S 366/65 366/8 366/8P



Family:

Publication number	Publication date	Application number	Application date
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BRPI0717870 A2	20131029	BR2007PI17870	20071026
CA2668161 AA	20090430	CA20072668161	20071026
CL2007003126 A1	20080104	CL20070003126	20071029
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IN02509KN2009 A	20091204	IN2009KN02509	20090708
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MX2009004593 A1	20090622	MX20090004593	20071026
NZ576394 A	20110826	NZ20070576394	20071026
RU2009120411 A	20101210	RU20090120411	20071026
US2008101151 AA	20080501	US20060555658	20061101
US7513963 BB	20090407	US20060555658	20061101
WO08057275 A2	20080515	WO2007US22695	20071026
WO08057275 A3	20081016	WO2007US22695	20071026

Priority:

US20060555658 20061101 WO2007US22695 20071026

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): STIVENDER EUGENE SCOTT ; UNITED STATES GYPSUM CO ; FRANK WILLIAM A ; GEORGE LLOYD M

Assignee(s): NIPPON TELEGRAPH AND TELEPHONE CORP ; UNITED STATES GYPSUM COMPANY ; UNTIED STATES GYPSUM CO

Inventor(s): (std): SCOTT STIVENDER EUGENE ; STIVENDER EUGENE SCOTT ; GEORGE LLOYD M ; FRANK WILLIAM A

Inventor(s): STIVENDER EUGENE ; WANG DAQING ; WILLIAM A FRANK ; YU DONG ; AGRAWAL SUDHIR ; BHAGAT LAKSHMI ; EUGENE SCOTT STIVENDER ; FRANK WILLIAM ; GEORGE LLOYD ; LLOYD M GEORGE ; REDDY MALLIKARJUNA

Agent(s): GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP; ALESSANDRI AND COMPANIA; RIPAMONTI ENRICO; YU AND PARTNERS; NOVAK DRUCE AND QUIGG LLP ANTHONY P VENTURINO; NOVAK DRUCE AND QUIGG LLP; VENTURINO ANTHONY P

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 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 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 ZA ZM ZW

15) Family number: 47677370 (US2012108691A)

© PatBase

Title: LOW DENSITY THERMOPLASTIC ELASTOMERS

Abstract: A thermoplastic elastomer (TPE) is disclosed which is foamed and has low density by virtue of the use of glass microspheres.

Classifications:

International (IPC 8-9): B29C47/00 C08J5/00 C08K13/04 C08K7/20 C08L25/04 C08L25/08 C08L25/10

C08L91/00 (Advanced/Invention)

CPC: C08L25/04 C08L53/02 C08J3/20 B29K2019/00 B29K2105/0008 B29K2105/0011 B29K2105/0026 B29K2105/0032

B29K2105/0038 B29K2105/0044 B29K2105/005 B29K2105/04 B29K2105/16 C08J2325/04 C08J2353/02 C08K7/20

C08L91/00 C08L91/06 B29C48/022 B29C48/06 B29C48/08 B29C48/10

European: C08J3/20 C08L91/00 L29C47/00B L29K105/00E10 L29K105/00E14 L29K105/00E18 L29K105/00E2

L29K105/00E20B L29K105/00E3 L29K105/00E7 L29K105/04 L29K105/16 L29K19/00 M08J325/04 M08J353/02 M08K7/20

M08L91/00 M08L91/06

US: 521/146 521/146S 521/148

Family:

Publication number	Publication date	Application number	Application date
US2012108691 AA	20120503	US20100321480	20100517
WO10135235 A2	20101125	WO2010US35104	20100517
WO10135235 A3	20110331	WO2010US35104	20100517

Priority:

US20090179086P 20090518 US20100321480 20100517 WO2010US35104 20100517

Probable Assignee: POLYONE CORP

Assignee(s): (std): MEYER GERALD ; MEYER GERALD W ; POLYONE CORP

Assignee(s): WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGE ; WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGENT AS

Inventor(s): (std): MEYER GERALD ; MEYER GERALD W

Agent(s): HORNICKEL JOHN H 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 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

16) Family number: 56195400 (US2014100309A)

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Title: LOW WATER DRYING TYPE JOINT COMPOUND

Abstract: A drying type joint compound composition is provided, including: at least one binder, a filler and water, the water having a weight percentage in the range of 12-18 percent of the total weight of the composition.

Classifications:

International (IPC 8-9): B32B3/26 C04B11/00 C04B111/00 C04B111/10 C04B14/00 C04B14/10 C04B14/28 C04B24/26 C04B24/38 C04B26/00 C04B26/04 C04B28/00 C04B28/14 C04B40/00 C04B9/04 C08K3/22 C08L1/00 C08L1/26 C09D1/00 C09D101/02 C09D101/26 C09D131/04 C09D201/00 C09D7/12 C09J11/04 C09J11/06 C09J201/00 C09K3/10 E04F13/02 (Advanced/Invention); C04B111/00 C04B111/10 C04B111/40 (Advanced/Non-invention); C04B26/04 (Core/Invention)
CPC: C04B26/04 C04B2111/00681 C04B14/042 C04B14/102 C04B14/28 C04B20/0076 C04B22/066 C04B24/38 C04B24/383 C04B2103/67 C04B2103/44 C04B26/00 C04B14/00 C04B40/00
US: 1/1 524/35 524/436 524/563

Family:

Publication number	Publication date	Application number	Application date
AR092690 AA	20150429	AR2013P103456	20130926
AU2013330362 AA	20140417	AU20130330362	20130919
AU2013330362 BB	20161222	AU20130330362	20130919
BR112015007708 A2	20170704	BR20151107708	20130919
CA2886723 AA	20150330	CA20132886723	20130919
CL2015000855 A1	20150828	CL20150000855	20150406
CN104703942 A	20150610	CN201380052325	20130919
EP2906512 A1	20150819	EP20130774285	20130919
ID201603737 A	20160603	ID2015P0002418	20130919
IN03354DN2015 A	20151120	IN2015DN03354	20150421
JP2015537066 T2	20151224	JP20150535679T	20130919
JP6115879 B2	20170419	JP20150535679T	20130919
KR20150065181 A	20150612	KR20157010496	20130919
MX2015004321 A1	20150610	MX20150004321	20130919
MX350730 B	20170914	MX20150004321	20130919
NZ707145 A	20180727	NZ20130707145	20130919
PE06302015 A1	20150501	PE20150000464	20130919
RU2015114326 A	20161110	RU20150114326	20130919
RU2642742 C2	20180125	RU20150114326	20130919
TH166129 A	20170810	TH20151001956	20130919
TW201414695 A	20140416	TW20130135417	20130930
UA117568 C2	20180827	UA20150003849	20130919
US2014100309 AA	20140410	US20120647796	20121009
US9328023 BB	20160503	US20120647796	20121009
WO14058588 A1	20140417	WO2013US60581	20130919

Priority:

US20120647796 20121009 WO2013US60581 20130919

Probable Assignee: UNITED STATES GYPSUM CO

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

Assignee(s): US GYPSUM CO ; IMMORDINO SALVATORE ; NEGRI ROBERT H ; ROSENTHAL GUY ; STEVENS RICHARD B

Inventor(s): (std): GUY ROSENTHAL ; IMMORDINO SALVATORE C JR ; RICHARD B STEVENS ; ROBERT H NEGRI ; SALVATORE IMMORDINO ; STIVENS RICHARD B ; ROZENTAL GAJ ; NEGRI ROBERT KH ; STEVENS RICHARD B ; ROSENTHAL GUY ; NEGRI ROBERT H ; IMMORDINO SALVATORE

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; JAMES AND WELLS INTELLECTUAL PROPERTY; MOFFAT AND CO; JOHANSSON AND LANGLOIS LTDA; BSB INTELLECTUAL PROPERTY LAW; BUDI RAHMAT SH; NA RYBINOJ; PHILIP T; GREER BURNS AND CRAIN LTD; PRADIP; CRAIN LAWRENCE 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 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

17) Family number: 56033408 (US2014083035A)

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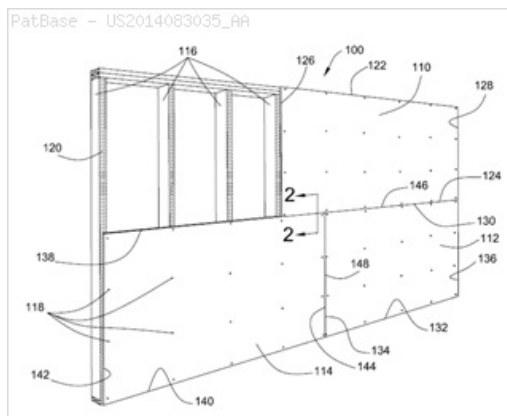
Title: JOINT COMPOUND, WALL ASSEMBLY, AND METHODS AND PRODUCTS RELATED THERETO

Abstract: Disclosed are aspects of board finishing systems. For example, in various aspects, disclosed are joint compound compositions, wall assemblies, methods of treating walls, and products related to any of the foregoing, including reinforcement trim, e.g., for protecting corners where boards meet, fasteners, and tape. The joint compound preferably is a drying type composition with reduced shrinkage property, and includes binder and hollow spheres, resulting in an ultra lightweight formulation in some embodiments. The joint compound composition can be applied in a one-coat treatment in preferred embodiments. Other aspects of board finishing system accommodate such a one-coat treatment to thusly allow a user to manipulate the compound closer to the plane of board as compared with conventional formulations. Joint tape and reinforcement trim can include non-swelling synthetic paper facing material in some embodiments.

Classifications:

International (IPC 8-9): B32B27/00 B32B27/30 C04B C04B111/00 C04B14/04 C04B14/22 C04B16/08 C04B20/00 C04B26/00 C04B26/06 C04B26/12 C04B26/14 C04B26/16 C04B26/18 C04B28/00 C04B33/04 C08J9/32 C08K C08K5/053 C08K5/13 C08K7/16 C08K7/22 C08K7/28 C08L C08L33/04 C08L63/00 C08L67/08 C08L75/04 C09D201/00 C09D5/44 C09D7/12 C09J11/00 C09J11/02 C09J133/00 C09J133/02 C09J163/00 C09J167/00 C09J175/04 C09J201/00 C09J7/00 C09K3/10 E03F E04B1/682 E04C2/00 E04F13/02 E04F13/04 E04F13/06 E04F13/08 E04F21/165 (Advanced/Invention); C04B103/00 C04B103/40 C04B111/10 C08L33/08 E04F13/02 E04F13/04 E04F13/06 (Advanced/Non-invention); C04B26/00 C04B26/06 C08K7/22 C08L63/00 (Core/Invention)
CPC: C09K3/1006 E04F2201/01 C04B14/24 C04B2103/0079 C04B2103/406 C04B2103/50 C04B2103/67 C04B14/301 E04F13/0898 C04B33/04 Y10T428/12556 Y10T428/24769 C04B26/06

C04B26/14 C04B26/16 C04B26/18 C04B2103/0065
C04B2111/00681 C04B2111/10 C08K7/16 C08L33/08 C08L2205/20
E04F13/02 E04F13/04 E04F13/042 E04F13/06 E04F2013/063
Y10T428/26 Y10T428/3179 Y10T428/31507 Y10T428/31634
Y10T428/31895 Y10T428/31982 Y10T428/31993 C04B2111/00155
C04B2111/34 C04B26/12 C04B2111/00172 C04B26/00 C08K7/28
C09J133/02 C08L67/08 C04B14/04 C04B20/002 E04F21/165
C04B2201/10 C04B2111/00577 C04B2111/00637 E04F13/08
E04F21/1652
US: 1/1 156/71 428/191 428/332 428/412 428/438 428/481 428/511
428/535 428/537.5 428/624 52/353 52/415 52/417 52/459
52/745.09 523/122 523/219 524/375 524/443 524/494



Family:

Publication number	Publication date	Application number	Application date
AR092678 AA	20150429	AR2013P103441	20130925
AU2013323720 AA	20140403	AU20130323720	20130925
AU2013323720 BB	20151001	AU20130323720	20130925
AU2016276159 AA	20180118	AU20160276159	20160603
BR112015005932 A2	20170704	BR20151105932	20130925
BR112017024874 A2	20180814	BR20171124874	20160603
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CA2884947 C	20160726	CA20132884947	20130925
CA2987958 AA	20171130	CA20162987958	20160603
CL2015000739 A1	20150807	CL20150000739	20150324
CN104684986 A	20150603	CN201380049503	20130925
CN107683270 A	20180209	CN201680029865	20160603
CO20170013425 A2	20180320	CO20170013425	20171226
EP2900752 A1	20150805	EP20130774313	20130925
EP3307688 A1	20180418	EP20160730609	20160603
ID201605614 A	20161014	ID2015P0001936	20130925
ID201806910 A	20180713	ID2017P0009898	20160603
IN02640DN2015 A	20160831	IN2015DN02640	20150331
IN201717046102 A	20180420	IN201717046102	20171221
JP2015537058 T2	20151224	JP20150533290T	20130925
JP2018526467 T2	20180913	JP20170560659T	20160603
JP5905650 B2	20160420	JP20150533290T	20130925
KR101649938 B1	20160822	KR20157009411	20130925
KR20150051235 A	20150511	KR20157009411	20130925
KR20180018582 A	20180221	KR20177036981	20160603
MX2015003613 A1	20150605	MX20150003613	20130925
MX2017014961 A1	20180413	MX20170014961	20160603
MX355230 B	20180410	MX20150003613	20130925
NZ706683 A	20180727	NZ20130706683	20130925
PE01102018 A1	20180118	PE20170002429	20160603
PE11702015 A1	20150902	PE20150000416	20130925
RU2575270 C1	20160220	RU20150113242	20130925
TH172460 A	20180118	TH20151001648	20130925
TH180363 A	20181011	TH20171006871	20160603
TW201412681 A	20140401	TW20130134614	20130925
TWI597253 B	20170901	TW20130134614	20130925
UA117918 C2	20181025	UA20150003402	20130925
US2014083035 AA	20140327	US20130842342	20130315
US2014083038 AA	20140327	US20130034290	20130923
US2015007519 AA	20150108	US20140492905	20140922
US2015083303 AA	20150326	US20140500333	20140929
US2015284543 AA	20151008	US20150736861	20150611
US8931230 BB	20150113	US20130842342	20130315
US9140015 BB	20150922	US20140492905	20140922
US9169426 BB	20151027	US20130034290	20130923
US9249578 BB	20160202	US20140500333	20140929
US9365455 BB	20160614	US20150736861	20150611
WO14052349 A1	20140403	WO2013US61521	20130925
WO16200677 A1	20161215	WO2016US35619	20160603
ZA201502380 A	20161221	ZA20150002380	20150409

Priority:

US20120705551P 20120925 US20130842342 20130315 US20130034290 20130923
WO2013US61521 20130925 US20140492905 20140922 US20140500333 20140929
US20150736861 20150611 WO2016US35619 20160603

Probable Assignee: UNITED STATES GYPSUM CO

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

Assignee(s): NEGRI ROBERT ; MOYER KEVIN W JR ; NEGRI ROBERT H ; BURY RAFAEL ; HARGROVE PAMELA ; HARGROVE PAMELA L ; MIKLOSZ MARK

Inventor(s): (std): MOYER KEVIN W JR ; NEGRI ROBERT ; NEGRI ROBERT H ; PAMELA HARGROVE ; PAMELA L HARGROVE ; RAFAEL BURY ; ROBERT H NEGRI ; ROBERT NEGRI ; BURY RAFAEL ; HARGROVE PAMELA ; HARGROVE PAMELA L ; KEVIN W MOYER JR ; MARK MIKLOSZ ; MIKLOSZ MARK ; MOYER JR KEVIN W

Inventor(s): MOYER KEVIN W ; MOYER JR
Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; JAMES AND WELLS INTELLECTUAL PROPERTY; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; MOFFAT AND CO; ALESSANDRI AND COMPANIA; DANILO ROMERO RAAD; FINDLAY ALICE ROSEMARY; BSB INTELLECTUAL PROPERTY LAW; BUDI RAHMAT; MAULITTA PRAMULASARI; PRADIP; GREER BURNS AND CRAIN LTD; PHILIP T; HASAN SALIM ET AL; CRAIN LAWRENCE 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

18) Family number: 33123408 (US2006159908A) © PatBase

Title: FLEXIBLE PAINT FOR WALLS AND CEILINGS

Abstract: Wall and ceiling acrylic latex coating compositions having properties that prevent joints between adjacent wallboard panels from cracking during settling of new homes and during transportation of manufactured buildings, and otherwise prevents joint cracking from flexing, such as caused by extreme weather conditions or building settling. In another embodiment, the coating compositions can be applied directly over joints between adjacent square-edged wallboard panels to conceal the joint without using tape, wallboard "mud", or other joint filling compositions.
Classifications:
International (IPC 8-9): B32B13/00 B32B13/04 B32B13/12 B32B27/30 B32B3/02 B32B3/10 E04B1/92 E04B2/10 E04B2/72 E04C2/16 (Advanced/Invention); B32B13/00 B32B27/30 B32B3/02 B32B3/10 E04B2/72 E04C2/10 (Core/Invention)
CPC: E04C2/043 C08L33/08 E04F13/04 Y10T428/16 Y10T428/161 Y10T428/166 Y10T428/19 Y10T428/192 Y10T428/25 Y10T428/252 Y10T428/258 Y10T428/259 Y10T428/31935
European: E04C2/04C E04F13/04 M08L33/08
US: 428/323 428/325 428/330 428/331 428/44 428/45 428/47 428/49 428/522 428/57 428/58 428/703 52/309.1 52/309.100P 52/390 52/408 52/410 52/411 52/412 52/420 52/420S 52/506.01 52/515 52/515S 52/79 52/79.14

Family:

Publication number	Publication date	Application number	Application date
US2006159908 AA	20060720	US20050039247	20050118
US2009120024 AA	20090514	US20090352898	20090113
US2010300025 AA	20101202	US20100854568	20100811
US7476430 BB	20090113	US20050039247	20050118

Priority:
US20050039247 20050118 US20090352898 20090113 US20100854568 20100811

Probable Assignee: ROMAN DECORATING PRODUCTS LLC
Assignee(s): (std): ROMAN DECORATING PROD INC ; ROMAN DECORATING PRODUCTS ; ROMAN DECORATING PRODUCTS INC ; ROMAN DECORATING PRODUCTS LLC
Assignee(s): STATE BANK OF LAKES ; BLUE AND GRAY ENTERPRISES LLC ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; PLB ACQUISITION LLC ; WELLS FARGO BANK NATIONAL ASSOCIATION
Inventor(s): (std): HOUCK MERLE ; RUSSO GERALD
Agent(s): MARSHALL GERSTEIN AND BORUN LLP

19) Family number: 23227411 (US6545066B) © PatBase

Title: Lightweight ready-mix joint compound

Abstract: The joint compound of the present invention utilizes hollow resin microspheres with a mean particle size less than 75 microns and exhibiting no more than 1.5 percent increase in density under high shear stress testing.
Classifications:
International (IPC 8-9): C04B12/04 C04B16/08 C04B26/04 C08J9/32 C08K3/00 C08K3/26 C08L29/04 C09D5/34 C09J11/00 C09J171/02 C09J201/00 (Advanced/Invention); C09D5/34 C09J11/00 C09J201/00 (Advanced/Non-invention); C04B16/00 C04B26/00 C09D5/34 C09J11/00 C09J171/00 C09J201/00 (Core/Invention)
International (IPC 1-7): C04B12/04 C04B16/08 C04B26/04 C08J C08J9/32 C08K3/26 C08L29/04 C09D5/34 C09J11/00 C09J171/02 C09J201/00
CPC: C04B16/082 C04B26/04 C04B2111/00672
European: C04B16/08A C04B26/04 M04B111/00T10B
US: 106/602 523/218 524/158 524/423 524/425 524/493

END

Family:

Publication number	Publication date	Application number	Application date
AU200216691 A1	20020611	AU20020016691	20011116
AU200216691 A5	20020611	AU20020016691	20011116
AU784757 B2	20060608	AU20020016691	20011116
CA2396125 AA	20020627	CA20012396125	20011116
CA2396125 C	20100817	CA20012396125	20011116
CN1239584 C	20060201	CN20018003839	20011116
CN1395594 A	20030205	CN20018003839	20011116
DE60146593 D1	20120726	DE20016046593	20011116
EP1263853 A1	20021211	EP20010998588	20011116
EP1263853 A4	20050817	EP20010998588	20011116
EP1263853 B1	20120523	EP20010998588	20011116
IL150495 A0	20021201	IL20010150495	20011116
IL150495 A1	20070308	IL20010150495	20011116
JP2004514773 T2	20040520	JP20020546616T	20011116
KR100777640 B1	20071127	KR20027009436	20011116
KR20020093796 A	20021216	KR20027009436	20011116
MXPA02006883 A1	20021023	MX2002PA06883	20011116
MY137741 A	20090331	MY20010005399	20011126
NZ519962 A	20050624	NZ20010519962	20011116
PL205744 B1	20100531	PL20010355766	20011116
PL355766 A1	20040517	PL20010355766	20011116
SA1709 B1	20070227	SA20020220651	20020129
TW575618 B	20040211	TW20010129249	20011127
US6545066 BA	20030408	US20000724736	20001128
WO0244255 A1	20020606	WO2001US43526	20011116

Priority:

US20000724736 20001128 EP20010998588 20011116 WO2001US43526 20011116
KR20027009436 20020723 WO2001US43526 20020723

Probable Assignee: USG CORP**Assignee(s):** (std): UNITED STATES GYPSUM CO ; UNITES STATES GYPSUM CO ; UNITES STATES GYPSUM COMPANY**Assignee(s):** USG CORP ; CIMAGLIO SCOTT A ; IMMORDINO SALVATORE C JR ; MILLER CHARLES J ; PICKLES DAVID MARTIN**Inventor(s):** (std): CIMAGLIO S A ; CIMAGLIO S C IMMORDINO JR C J ; CIMAGLIO SA ; CIMAGLIO SCOTT A ; CHARLES J MILLER ; CJ MILLER ; DAVID MARTIN PICKLES ; IMMORDINO S C JR ; IMMORDINO SALVATORE C ; IMMORDINO SALVATORE C JR ; IMMORDINO SALVATORE CJR ; MILLER C J ; MILLER CHARLES J ; PICKLES DAVID ; PICKLES DAVID ; PICKLES DAVID MARTIN ; IMMORDINO JR SALVATORE C ; S C IMMORDINO JR ; SALVATORE C IMMORDINO ; SC IMMORDINO JR ; SCOTT A CIMAGLIO**Inventor(s):** C J MILLER ; S C IMMORDINO JR C J MILLER S A CIMAGLIO ; IMMORDINO JRSALVATORE C ; PICKLES DAVID MARTIN HOWIE CENTRE ; S A CIMAGLIO ; MILLER CHARLES J MCHENRY ; IMMORDINO SALVATORE C JR TREVOR ; DAVID PICKLES ; CIMAGLIO SCOTT A THIRD LAKE**Agent(s):** GRIFFITH HACK ; MCCARTHY TETRAULT LLP ; SCHUETTE HARTMUT ; REINHOLD COHN AND PARTNERS**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: ADHESIVE COMPOSITIONS

Abstract: An aqueous adhesive composition is provided comprising (a) from about 5 to about 75 weight percent of an aqueous suspension of polymeric acrylate microspheres, (b) from about 25 to about 95 weight percent of an aqueous emulsion of crosslinked acrylate polymer, and, optionally, (c) a functionally effective amount of one or more auxiliary ingredients for modifying coating or enhancing adhesive performance properties; wherein the weight ratio, on a solids basis, of microspheres to crosslinked acrylate polymer is about 0.025:1 to about 1.9:1.

Classifications:

International (IPC 8-9): C09D5/02 C09J133/06 C09J133/08 C09J7/02 (Advanced/Invention)

International (IPC 1-7): C08K3/00 C09J133/06 C09J133/08 C09J133/08133

CPC: Y10T428/28 Y10T428/2804 C08L2205/18 C08L2205/20 C09J2205/11 C09J7/385 C09J133/08 C08L2666/04

European: C09J133/08 C09J7/02F2D M08L205/18 M08L205/20 M09J205/110

US: 428/343 428/343S 428/344 428/344S 523/223 523/223S 524/501 524/502 524/512 524/512S 524/523 524/523S 524/801 524/801S

Family:

Publication number	Publication date	Application number	Application date
AT267857 E	20040615	AT20010946598T	20010621
AU2001268624 AA	20020108	AU20010268624	20010621
AU200168624 A1	20020108	AU20010068624	20010621
AU200168624 A5	20020108	AU20010068624	20010621
BRPI0111862 A	20030513	BR2001PI11862	20010621
CA2411507 AA	20021210	CA20012411507	20010621
CN1447847 A	20031008	CN20018014273	20010621
DE60103538 D1	20040701	DE20016003538	20010621
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DE60103538 T2	20050825	DE20016003538T	20010621
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EP1297092 B1	20040526	EP20010946598	20010621
ES2222381 T3	20050201	ES20010946598T	20010621
JP2004502018 T2	20040122	JP20020505916T	20010621
MXPA02012843 A1	20030515	MX2002PA12843	20010621
US2002016406 AA	20020207	US20010885198	20010620
US2006036019 AA	20060216	US20050200625	20050810
WO0200800 A2	20020103	WO2001US19766	20010621
WO0200800 A3	20020314	WO2001US19766	20010621

Priority:

US20000213862P 20000623 US20010885198 20010620 WO2001US19766 20010621
US20050200625 20050810

Probable Assignee: CYTEC SURFACE SPECIALTIES INC

Assignee(s): (std): GUO JONG SHING ; OJUNGA ANDREW MESHACH ; SOLUTIA INC ; CHEN AUGUSTIN T ; UCB SA

Assignee(s): CYTEC SURFACE SPECIALTIES INC ; SURF CHIP INC ; SURFACE SPECIALTIES SA ; UCB CHIP INC ; UCB S A ; UCB S A BRUESSEL BRUXELLES

Inventor(s): (std): CHEN AUGUSTIN T ; CHEN T ; GUO J S ; GUO JONG SHING ; CHEN A T ; OJUNGA ANDREW M ; OJUNGA ANDREW MESHACH

Inventor(s): CHEN AUGUSTIN ; A T CHEN ; AT CHEN ; AUGUSTIN T CHEN ; J S GUO ; JONG SHING GUO ; M OJUNGA ANDREW ; MESHACH OJUNGA ANDREW

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; HITOSHIO AKIO; ONO MAKOTO; KAWAGUCHI YOSHIO; OSAKI KATSUMASA; LATHROP AND GAGE LC

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

21) Family number: 23921461 (US5746822A)

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Title: Ready-mixed setting type joint compound

Abstract: A cementitious composition of the setting type which can be kept in a ready-mixed state and which can be caused to set and harden upon introduction of an accelerator with reproducibility and set time predictability. The cementitious base composition contains calcium sulfate hemihydrate as a principal filler material and certain non-calcium bearing phosphate additives which prevent setting action in the presence of water. An accelerator, such as zinc sulfate, may be added to the ready-mixed, cementitious composition to initiate the setting action, or the ready-mixed cementitious composition can be used as a drying type joint compound without the addition of an accelerator.

Classifications:

International (IPC 8-9): C04B14/28 C04B22/14 C04B22/16

C04B26/04 C04B28/14 C04B40/06 C09K3/10

E04F13/02 (Advanced/Invention);

C04B22/16 C09K3/10 E04F13/02 (Advanced/Non-invention);

C04B22/00 C04B26/00 C04B28/00 C04B40/00 C09K3/10

E04F13/02 (Core/Invention);

C04B22/16 (Core/Non-invention)

International (IPC 1-7): C04B11/00 C04B14/00 C04B14/18

C04B14/28 C04B14/36 C04B14/38 C04B20/10 C04B22/14

C04B22/16 C04B24/16 C04B26/02 C04B26/04 C04B26/18

C04B28/14 C04B40/06 C09D5/34 C09K3/10 E04F13/02

CPC: C04B22/142 C04B22/16 C04B26/04 C04B28/14 C04B40/0658

C04B211/00672

European: C04B22/14G C04B22/16 C04B26/04 C04B28/14

C04B40/06K M04B111/00T10B

US: 106/785 106/819

END

Family:

Publication number	Publication date	Application number	Application date
AT167174 E	19980615	AT19950300731T	19950206
AU199510052 A1	19951123	AU19950010052	19950106
AU692805 B2	19980618	AU19950010052	19950106
BRPI9507713 A	19970923	BR1995PI07713	19950428
CA2139373 AA	19951113	CA19942139373	19941230
CA2139373 C	20020625	CA19942139373	19941230
CL1995000710 A1	19960306	CL19950000710	19950512
CL44967 B	20090415	CL19950000710	19950512
CN1061637 C	20010207	CN19951092993	19950428
CN1155878 A	19970730	CN19951092993	19950428
CZ294162 B6	20041013	CZ19960003297	19950428
CZ9603297 A3	19970514	CZ19960003297	19950428
DE69502879 D1	19980716	DE19956002879	19950206
DE69502879 T2	19990304	DE19956002879T	19950206
DK0681998 T3	19990322	DK19950300731T	19950206
DK53495 A	19951113	DK19950000534	19950509
EG20598 A	19990930	EG19950000385	19950508
EP0681998 A1	19951115	EP19950300731	19950206
EP0681998 B1	19980610	EP19950300731	19950206
ES2112159 AA	19980316	ES19950000898	19950510
ES2112159 BA	19990701	ES19950000898	19950510
ES2120128 T3	19981016	ES19950300731T	19950206
FI117285 B	20060831	FI19950002338	19950512
FI952338 A	19951113	FI19950002338	19950512
FI952338 A0	19950512	FI19950002338	19950512
HK1002190 A1	20010713	HK19980100664	19980126
IL113582 A0	19950831	IL19950113582	19950502
IL113582 A1	19990620	IL19950113582	19950502
JP4070825 B2	20080402	JP19950085850	19950308
JP8060139 A2	19960305	JP19950085850	19950308
KR100382873 B1	20030913	KR19960706344	19950428
KR19970702829 A	19970610	KR19960706344	19961109
KR19977002829 A	19970610	KR19967006344	19950428
NO320770 B1	20060123	NO19950001868	19950511
NO951868 A	19951113	NO19950001868	19950511
NO951868 A0	19950511	NO19950001868	19950511
NZ270311 A	19960925	NZ19950270311	19950109
PL186686 B1	20040227	PL19950317209	19950428
PL317209 A1	19970317	PL19950317209	19950428
RO117448 B1	20020329	RO19960002116	19950428
SA1381 B1	20061007	SA19960160631	19960228
SK145596 A3	19970806	SK19960001455	19950428
SK280652 B6	20000516	SK19960001455	19950428
TH19565 A	19960716	TH19951001021	19950509
TR28456 A	19960704	TR19950000541	19950505
TW314504 B	19970901	TW19950104674	19950511
US5746822 A	19980505	US19960585548	19960111
WO9531415 A1	19951123	WO1995US05689	19950428

Priority:

US19940236063 19940502

GB19940009546 19940512

US19940242280 19940512

CA19942139373 19941230 WO1995US05689 19950428 US19960585548 19960111
Probable Assignee: UNITED STATES GYPSUM CO
Assignee(s): (std): UNITED STATES GYPSUM CO ; US GYPSUM CORP ; US GYPSUM CO CHICAGO ; UNITED STATES GYPSUM CO CHICAGO ILLINOIS ; USG CORP
Assignee(s): UNITED STATES GYPSUM CO LIBERTYVILLE ILL US ; UNITED STATES GYPSUM COUS ; UNITED STATES GYPSUM CORP ; ESPINOZA THERESE A ; MILLER CHARLES J ; STEVENS RICHARD B
Inventor(s): (std): CHARLES J MILLER ; CHARLES JOSEPH MILLER ; CHIYAARUZU JIEI MIRAA ; ESPINOZA THERESA A ; ESPINOZA THERESA ANN ; ESPINOZA THERESE A ; ESPINOZA THERESE ANN ; MILLER CHARLES J ; MILLER CHARLES JOSEPH ; MILLER CHARLES JOSEPH ; MILLS CHARLES J ; RICHARD B STEVENS ; RICHARD BYRON STEVENS ; RICHIAAADO BII SUTEIBUNSU ; STEVENS RICHARD B ; STEVENS RICHARD BYRON ; THERESA ANN ESPINOZA ; THERESE A ESPINOZA ; ZEAASU EI ESUPINOZA
Inventor(s): THERESA ANN ESPINOZA CHARLES JOSEPH MILLER RICHARD BYRON STEVENS
Agent(s): GRIFFITH HACK; MACRAE AND CO; ALESSANDRI; REINHOLD COHN AND PARTNERS
Designated states: AT BE BR CH CN CZ DE DK ES FR GB GR IE IT KR LI LU MC NL PL PT RO SE SG SK

22) Family number: 30972471 (US2004182287A) © PatBase

Title: LIGHTWEIGHT JOINT COMPOUND CONTAINING STABLE AIR POCKETS

Abstract: Low density joint compounds, and methods for their use are disclosed. Joint compounds comprising water, calcium carbonate, a foaming agent, and a rheology modification agent contain a plurality of stable air bubbles. Joint compounds can have densities of about 4 pounds per gallon to about 8 pounds per gallon. A presently prepared composition has a density of about 4.8 pounds per gallon. A presently preferred foaming agent is a polyether siloxane copolymer. A presently preferred rheology modification agent is poly(ethylene oxide). The joint compounds can comprise additional components such as perlite, mica, talc, preservatives, and latex.

Classifications:

International (IPC 8-9): C04B16/00 C04B16/08 C04B26/02 C04B28/10 C04B30/00 (Advanced/Invention); C04B16/00 C04B26/00 C04B28/00 (Core/Invention)

International (IPC 1-7): C04B016/08 C04B14/00 C04B16/00 C04B16/08

CPC: C04B14/00 C04B26/02 C04B28/10 C04B2111/00086 C04B2111/00672 C04B2201/20

European: C04B26/02 C04B28/10 M04B111/00M6 M04B111/00T10B M04B201/20

US: 106/637 106/637S 106/672 106/672S 106/675 106/675S 106/677 106/677S 106/698 106/698S 106/801 106/801S 106/814 106/814S 106/817 524/426

Family:

Publication number	Publication date	Application number	Application date
CA2519137 AA	20050914	CA20042519137	20040317
CA2519137 C	20101221	CA20042519137	20040317
DK1613564 T3	20170814	DK20040757773T	20040317
EP1613564 A1	20060111	EP20040757773	20040317
EP1613564 A4	20070321	EP20040757773	20040317
EP1613564 B1	20170607	EP20040757773	20040317
ES2635862 T3	20171005	ES20040757773T	20040317
MXPA05010009 A1	20051117	MX2005PA10009	20040317
US2004182287 AA	20040923	US20030249160	20030319
US6936099 BB	20050830	US20030249160	20030319
WO04085342 A1	20041007	WO2004US08175	20040317

Priority:

US20030249160 20030319 EP20040757773 20040317 WO2004US08175 20040317

Probable Assignee: NATIONAL GYPSUM PROPERTIES LLC

Assignee(s): (std): AYAMBEM AMBA ; NAT GYPSUM PROPERTIES LLC ; NATIONAL GYPSUM PROPERTIES LLC

Assignee(s): NEW NGC INC ; NEW NGC INC D B A NATIONAL GYPSUM CO ; BANK OF AMERICA NA ; BANK OF AMERICA NA AS COLLATERAL AGENT ; BANK OF AMERICA NA COLLATERAL AGENT AS

Inventor(s): (std): AYAMBEM AMBA

Agent(s): OSLER HOSKIN AND HARCOURT LLP; JOHNSON YVONNE CATHERINE; ARIAS JUAN; MILLER ICE; ICE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

23) Family number: 52544471 (US2013143980A) © PatBase

Title: MICROSPHERE BASED WALL REPAIR COMPOUND

Abstract: The present invention is a drying composition comprising spherical beads and a stable aqueous dispersion of polymer particles and also a dried composition of the spherical beads and a polymer film. The composition is useful as a wall repair formulation.

Classifications:

International (IPC 8-9): C04B16/04 C04B26/06 C08F12/08 C08F12/36 C08J5/18 C08K5/01 C08L101/00 C08L101/12 C08L25/08 C09D17/00 C09D201/00 C09D5/34 C09D7/12 E04G23/02 (Advanced/Invention); C08L101/00 C09D201/00 (Core/Invention)

CPC: Y10S524/926 Y10S977/779 Y10S977/773 C09D5/34 C09D7/68 C09D7/70 C09D7/65

US: 523/223 524/501 524/800 524/926 525/222 977/773 977/779

Family:

Publication number	Publication date	Application number	Application date
BR102012013768 A2	20130702	BR20121013768	20120606
CA2778021 AA	20121208	CA20122778021	20120528
CA2778021 C	20140211	CA20122778021	20120528

CN102826788 A	20121219	CN201210184943	20120606
CN102826788 B	20150819	CN201210184943	20120606
DE602012008316 D1	20150813	DE201260008316T	20120522
EP2532717 A1	20121212	EP20120168950	20120522
EP2532717 B1	20150701	EP20120168950	20120522
MX2012006510 A1	20130118	MX20120006510	20120607
TR201511798 T4	20151021	TR20150011798T	20120522
US2013143980 AA	20130606	US20120489523	20120606
US8877836 BB	20141104	US20120489523	20120606

Priority:

US20110494658P 20110608 EP20120168950 20120522 CA20122778021 20120528
US20120489523 20120606

Probable Assignee: ROHM AND HAAS CO

Assignee(s): (std): BOHLING JAMES ; FASULA ADAM ; ROHM AND HAAS ; ROHM AND HAAS CO

Assignee(s): ROHM AND HAAS CO PHILADELPHIA ; ROHM AND HAAS COMPANY

Inventor(s): (std): ADAM FASULA ; BOHLING JAMES ; FASULA ADAM ; JAMES BOHLING

Inventor(s): FASULA ADAM LANSDALE ; BOHLING JAMES LANSDALE

Agent(s): GOWLING LAFLEUR HENDERSON LLP; MURGITROYD AND CO; BUCKLEY GUY JULIAN; HOUGHTON MARK PHILLIP; ZEHRRA YILDIRIM; WILLIAM S

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

24) Family number: 41931472 (US2008141909A)

© PatBase

Title: JOINT COMPOUND USING PREDISPERSED DEDUSTING AGENTS

Abstract: This method relates to making a joint compound that includes predispersing a dedusting agent in water to make a predispersed dedusting agent. Dry components, including at least one filler, are combined to make a dry mixture. Process water is pumped into a vessel and the predispersed dedusting agent is introduced to the vessel. The dry mixture is then added to the vessel and all components are blended to make a homogeneous product.

Classifications:

International (IPC 8-9): C04B11/00 C04B24/00 C04B24/26 C04B24/32 C04B28/00 C04B28/14 C04B40/00 C09K3/22

E04F13/02 E04F19/02 (Advanced/Invention);

C04B11/00 C04B24/00 C04B28/00 E04F13/02 (Core/Invention)

International (IPC 1-7): C04B22/00 C04B26/00 C04B28/14 C04B40/00

CPC: C04B40/0042 C04B2111/00672

European: C04B40/00D4B M04B111/00T10B

US: 106/772 106/772S 106/778

Family:

Publication number	Publication date	Application number	Application date
AR064340 AA	20090401	AR2007P105607	20071213
CA2670780 AA	20090527	CA20072670780	20071114
CA2670780 C	20130226	CA20072670780	20071114
CL2007003617 A1	20080125	CL20070003617	20071212
CL49127 B	20130606	CL20070003617	20071212
DE602007027860 D1	20130228	DE200760027860T	20071114
EP2125656 A1	20091202	EP20070862024	20071114
EP2125656 A4	20100324	EP20070862024	20071114
EP2125656 B1	20130102	EP20070862024	20071114
GC8594 A	20180911	GC2007P009664	20071211
JP2010513750 T2	20100430	JP20090541302T	20071114
JP2015096466 A2	20150521	JP20140264825	20141226
JP5841227 B2	20160113	JP20140264825	20141226
MX2009006150 A1	20090619	MX20090006150	20071114
PE10862008 A1	20080918	PE20070001750	20071210
RU2009121452 A	20110120	RU20090121452	20071114
TW200838826 A	20081001	TW20070147730	20071213
US2008141909 AA	20080619	US20060639793	20061214
US8673071 BB	20140318	US20060639793	20061214
WO08076195 A1	20080626	WO2007US23922	20071114

Priority:

US20060639793 20061214 EP20070862024 20071114 JP20090541302 20071114
JP20090541302T 20071114 WO2007US23922 20071114

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): IMMORDINO SALVATORE C ; IMMORDINO SALVATORE C JR ; MILLER CHARLES ; SCHENCK RONALD E ; MILLER CHARLES J ; UNITED STATES GYPSUM CO ; USG CORP ; IMMORDINO JR SALVATORE C

Assignee(s): DALIAN INST OF CHEMICAL PHYSICS ; UNITED STATES GYPSUM CO CHICAGO ; UNITED STATES GYPSUM COMPANY

Inventor(s): (std): IMMORDINO JR SALVATORE C ; IMMORDINO SALVATORE ; IMMORDINO SALVATORE C ; IMMORDINO SALVATORE C JR ; IMMORDINO SALVATORES C JR ; MILLER CHARLES ; MILLER CHARLES J ; SCHENCK RONALD E

Inventor(s): SCHENCK RONALD E VALPARAISO ; XU HENGYONG ; CHARLES J MILLER ; MILLER CHARLES J MCHENRY ; RONALD E SCHENCK ; SALVATORE C IMMORDINO JR ; IMMORDINO SALVATORES C JR SCHENCK RONALD E MILLER CHARLES J ; IMMORDINO SALVATORES CJR ; KAREN CHANDROSS ; LAN LEE ; MA YUCHUN ; IMMORDINO SALVATORE C JR TREVOR

Agent(s): PERLEY ROBERTSON HILL AND MCDUGALL LLP; MOFFAT AND CO; CLARKE; MARKS AND CLERK LUXEMBOURG LLP; SCHUETTE HARTMUT; SULEIMAN I AL AMMAR LAW OFFICE; GREER BURNS AND CRAIN LTD; PRADIP; PHILIP T; JANJI DAVID F ET AL

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 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 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 ZA ZM ZW

25) Family number: 15998486 (WO03040243A1)

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Title: FILLING COMPOSITION CONTAINING HOLLOW GLASS SPHERES

Abstract: A filling composition e.g. for filling cracks or other defects in walls, ceilings etc, comprises an admixture of 15-40 percent by weight of "primary" microspheres having a density of 0.3 to 0.4 g cc-1 and a resin system for effecting hardening of the applied composition. The composition is lightweight and, when hardened, is 'self plugging' in the sense that a screw may be driven into the composition without the need for a separate plug.

Classifications:

International (IPC 8-9): C04B26/02 C04B26/06 C08K7/28 C09D5/34 (Advanced/Invention)

International (IPC 1-7): C04B26/02 C08K7/28 C09D5/34 C09D7/12

CPC: C04B26/02 C04B26/06 C04B2111/00672 C08K7/28 C09D5/34

European: C04B26/02 C04B26/06 C08K7/28 C09D5/34 M04B111/00T10B

Family:

Publication number	Publication date	Application number	Application date
GB200126870 A0	20020102	GB20010026870	20011108
WO03040243 A1	20030515	WO2002GB05059	20021108

Priority:

GB20010026870 20011108

Probable Assignee: TESTROSYL LTD

Assignee(s): (std): TESTROSYL LTD ; TETROSYL LTD ; ZIA SHAHZAD

Assignee(s): TETROSYL LIMITED ; TESTROSYL LIMITED

Inventor(s): (std): ZIA SHAHZAD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

26) Family number: 31874490 (US2009091089A)

© PatBase

Title: JOINT SEAL AND METHOD FOR THE PRODUCTION THEREOF

Abstract: The present invention relates to a joint seal for sealing a component joint, which comprises an insulation material in an internal joint area and a sealing material in at least one front-side joint edge area. The insulation material comprises a single-component, moisture cross-linking, elastic polymer foam and the sealing material is a sealant which is vapor-diffusion tight, directly adjoins the insulation material, is single-component, moisture cross-linking, and sprayable before the curing, as well as having an elasticity which is essentially equal to or greater than that of the insulation material. Furthermore, a method for producing the joint seal is described.

Classifications:

International (IPC 8-9): B32B27/08 C08J9/35 E04B1/682 E04B1/684

E06B1/62 (Advanced/Invention);

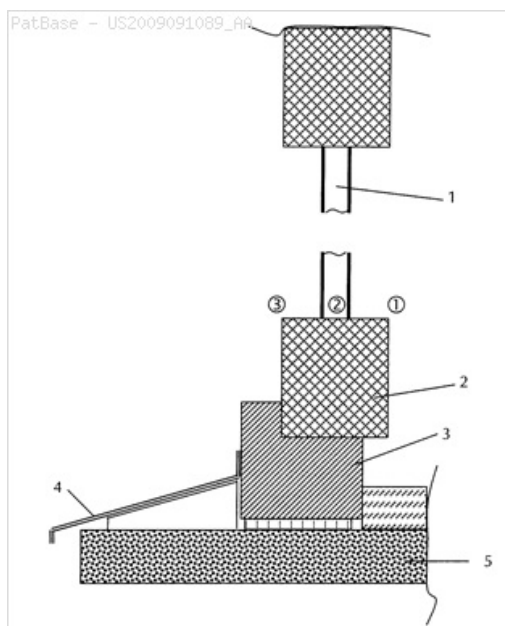
C08J9/00 E04B1/68 E04B1/684 E06B1/00 E06B1/62 (Core/Invention)

International (IPC 1-7): E04B1/684 E06B1/62 E06B7/16

CPC: E06B1/62 Y10T428/249976 Y10T428/249991 Y10T428/249992

European: E06B1/62

US: 277/316 428/314.4 428/319.3 428/319.7 521/155 521/54



Family:

Publication number	Publication date	Application number	Application date
AT427406 E	20090415	AT20040030180T	20041220
AT7824 U1	20050926	AT20050000225U	20050412
CA2591605 AA	20070618	CA20052591605	20051219
CA2591605 C	20130730	CA20052591605	20051219
DE202004020308 U1	20050407	DE200420020308U	20041220
DE502004009277 D1	20090514	DE200450009277T	20041220

EP1672161 A1	20060621	EP20040030180	20041220
EP1672161 B1	20090401	EP20040030180	20041220
RU2007127686 A	20090127	RU20070127686	20051219
RU2360090 C2	20090627	RU20070127686	20051219
SI1672161 T1	20091031	SI20040031158T	20041220
US2009091089 AA	20090409	US20050722147	20051219
US8551611 BB	20131008	US20050722147	20051219
WO06066860 A1	20060629	WO2005EP13687	20051219

Priority:

DE200420020308U 20041220 EP20040030180 20041220 WO2005EP13687 20051219

Probable Assignee: PICHLER GABRIEL

Assignee(s): (std): PICHLER GABRIEL ; PIKHLER GABRIEL

Inventor(s): (std): PICHLER GABRIEL ; PIKHLER GABRIEL

Inventor(s): PIKHLER GABRIEL'

Agent(s): G RONALD BELL AND ASSOCIATES; TOMERIUS ISABEL ET AL; ROBERTS MLOTKOWSKI SAFRAN AND COLE PC INTELLECTUAL PROPERTY DEPARTMENT; DAVID S; ROBERTS MLOTKOWSKI SAFRAN AND COLE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

27) Family number: 55525522 (US2015187459A)

© PatBase

Title: LOW SPECIFIC GRAVITY THERMOPLASTIC COMPOUNDS FOR NEUTRAL BUOYANCY UNDERWATER ARTICLES

Abstract: A thermoplastic compound is disclosed which has low specific gravity by virtue of the use of glass microspheres. Underwater articles, especially wire and cable, benefit from the insulative and buoyancy effect of using the thermoplastic compound with the other article components, engineered using buoyancy calculations to have consistent neutral buoyancy for reduced energy expenditure and convenient maneuverability of the underwater articles as if they were floating in outer space.

Classifications:

International (IPC 8-9): C08K7/22 C08K7/28 C08L23/00 C08L23/16 H01B3/28 H01B3/44 H01B7/14 H01B7/28 (Advanced/Invention)

CPC: C08L23/10 H01B3/28 H01B3/44 H01B7/14 H01B7/2813 C08L23/16 C08K7/28 C08L23/12

US: 523/219

Family:

Publication number	Publication date	Application number	Application date
US2015187459 AA	20150702	US20130410840	20130628
WO14008123 A1	20140109	WO2013US48505	20130628

Priority:

US20120667793P 20120703 US20130410840 20130628 WO2013US48505 20130628

Probable Assignee: POLYONE CORP

Assignee(s): (std): POLYONE CORP

Assignee(s): US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; WELLS FARGO CAPITAL FINANCE LLC ADMINISTRATIVE AGENT AS ; CITIBANK NA ADMINISTRATIVE AGENT AS ; COLORMATRIX HOLDINGS INC

Inventor(s): (std): FAIRCHILD BRIAN ; HAMMOND DOUG

Agent(s): HORNICKEL JOHN H 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 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 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

28) Family number: 29924523 (US6476099B)

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Title: JOINT COMPOUND ADDITIVE FOR REDUCTION OF CRACKING, CRATERING AND SHRINKAGE

Abstract: A joint compound composition comprising a filler, a binder and a hydrocarbon substituted sulfate, sulfonate, sulfuric acid or sulfonic acid is disclosed. The composition of the present invention produces a joint compound that shrinks less and is resistant to cracking and cratering.

Classifications:

International (IPC 8-9): C04B24/20 C04B26/04 C08J9/32 C08K3/00 C08K5/41 C08K5/42 C09D5/34 (Advanced/Invention);

C09D5/34 (Advanced/Non-invention);

C08J9/00 C08K3/00 C08K5/00 C09D5/34 (Core/Invention)

International (IPC 1-7): C04B24/20 C04B26/04 C08J C08J9/32

C08K5/41 C08K5/42 C09D5/34

CPC: C08K3/01 C08K5/41

European: C08K3/00P C08K5/41

US: 523/218 524/156 524/157 524/158 524/161 524/166

END

Family:

Publication number	Publication date	Application number	Application date
AU200216690 A1	20020611	AU20020016690	20011116
AU2002216690 AA	20020611	AU20020216690	20011116
AU2002216690 BB	20060810	AU20020216690	20011116
CA2417110 AA	20030130	CA20012417110	20011116
CA2417110 C	20120522	CA20012417110	20011116
DE60145915 D1	20120308	DE20016045915	20011116
EP1339780 A1	20030903	EP20010998587	20011116
EP1339780 A4	20050119	EP20010998587	20011116
EP1339780 B1	20120104	EP20010998587	20011116
IL150465 A0	20021201	IL20010150465	20011116
IL150465 A1	20070515	IL20010150465	20011116
KR100893890 B1	20090420	KR20027008819	20011116
KR20020093786 A	20021216	KR20027008819	20011116
MXPA03001488 A1	20030606	MX2003PA01488	20011116
MY128019 A	20070131	MY20010005398	20011126
NZ524235 A	20050729	NZ20010524235	20011116
PL204648 B1	20100129	PL20010366328	20011116
PL366328 A1	20050124	PL20010366328	20011116
SA1873 B1	20070813	SA20020220630	20020116
TW562829 B	20031121	TW20010129248	20011127
US6476099 BA	20021105	US20000724674	20001128
WO0244254 A1	20020606	WO2001US43525	20011116

Priority:

US20000724674 20001128 EP20010998587 20011116 WO2001US43525 20011116
KR20027008819 20020708 WO2001US43525 20020708

Probable Assignee: USG CORP**Assignee(s):** (std): UNITED STATES GYPSUM CO**Assignee(s):** USG CORP ; WAWRZOS FRANK A ; CIMAGLIO SCOTT D ; KNAUF GIPS KG ; MILLER CHARLES J**Inventor(s):** (std): CIMAGLIO SCOTT A ; CIMAGLIO SCOTT D ; MILLER CHARLES J ; WAWRZOS FRANK A**Inventor(s):** WAWRZOS FRANK A MCHENRY ; CHARLES J MILLER ; MILLER CHARLES J MCHENRY ; SCOTT D CIMAGLIO ; FRANK A WAWRZOS**Agent(s):** GRIFFITH HACK ; MCCARTHY TETRAULT LLP ; MOFFAT AND CO ; VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWALTEN U RECHTSANWALTEN MBB ; SCHUETTE HARTMUT ; REINHOLD COHN AND PARTNERS**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW**29) Family number: 42814541** (US2010294430A)

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Title: AQUEOUS DISPERSION COMPRISING A (METH)ACRYLIC POLYMER AND A VINYL ACETATE POLYMER

Abstract: The present invention relates to an aqueous dispersion comprising (a) at least one (meth)acrylic polymer; (b) at least one vinyl acetate polymer selected from vinyl acetate homopolymer and vinyl acetate copolymers comprising in polymerized form vinyl acetate and ethylene; (c) water; and (d) optionally up to 50 percent by weight of an inorganic filler, based on the total weight of the aqueous dispersion, wherein the weight ratio of (meth)acrylic polymer(s) (a) to vinyl acetate polymer(s) (b) is from 70:30 to 30:70. The aqueous dispersion may be used as a joint compound or sealing compound.

Classifications:

International (IPC 8-9): B32B37/12 C08F220/12 C08K3/26 C08K3/34 C08L1/26 C08L23/08 C08L31/04 C08L33/00 C08L33/08 C08L33/20 (Advanced/Invention);
C08L23/00 C08L31/00 C08L33/00 (Core/Invention)
International (IPC 1-7): C08L33/00
CPC: C08L31/04 C04B26/06 C04B2111/00672 C04B2111/1037 C08L23/08 C08L23/0853 C08L33/08 C08L33/26
European: C04B26/06 C08L23/08 C08L31/04 C08L33/08 C08L33/26 M04B111/00T10B M04B111/10F M08L23/08C1 M08L31/04
US: 156/332 524/2 524/423 524/424 524/425 524/425S 524/427 524/44 524/446 524/446S 524/449 524/449S 524/451 524/451S 524/492 524/493 524/5 524/521 524/521S 524/523 524/524 524/535

Family:

Publication number	Publication date	Application number	Application date
CN101802083 A	20100811	CN200880022590	20080507
EP2176344 A1	20100421	EP20080747760	20080507
IN00150CN2010 A	20100716	IN2010CN00150	20100107
JP2010533229 T2	20101021	JP20100516084T	20080507
US2010294430 AA	20101125	US20080665488	20080507
US8580873 BB	20131112	US20080665488	20080507
WO09009216 A1	20090115	WO2008US62849	20080507

Priority:

US20070959222P 20070712 US20080665488 20080507 WO2008US62849 20080507

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): DOW GLOBAL TECHNOLOGIES INC ; DOW GLOBAL TECHNOLOGIES LLC ; HYMAN LARRY N ; STRUBLE KIM

Inventor(s): (std): STRUBLE KIM ; KIM STRUBLE ; HYMAN LARRY N

Inventor(s): HYMAN LARRY

Agent(s): FLEISCHER HOLM HERBERT; AOKI ATSUSHI; ISHIDA TAKASHI; KOGA TETSUJI; THE DOW CHEMICAL COMPANY; DOW CHEMICAL CO; ANDREW E C; BRIAN J; HUBBARD BRIAN J

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 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 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 ZA ZM ZW

30) Family number: 28232550 (US2002073638A)

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Title: PAPER BEAD

Abstract: A corner bead is of the tape-on type, having an elongated metal core strip with a longitudinal arcuate nose and a pair of flanges extending outwardly from the nose at approximately a right angle. A cover strip of paper is bonded to the exterior surface of the core strip, and includes wings which project outwardly beyond the extent of the flanges. The cover strip is formed of a stock paper having high abrasion resistance, tensile strength, and which is dimensionally stable on contact with wet joint compound.

Classifications:

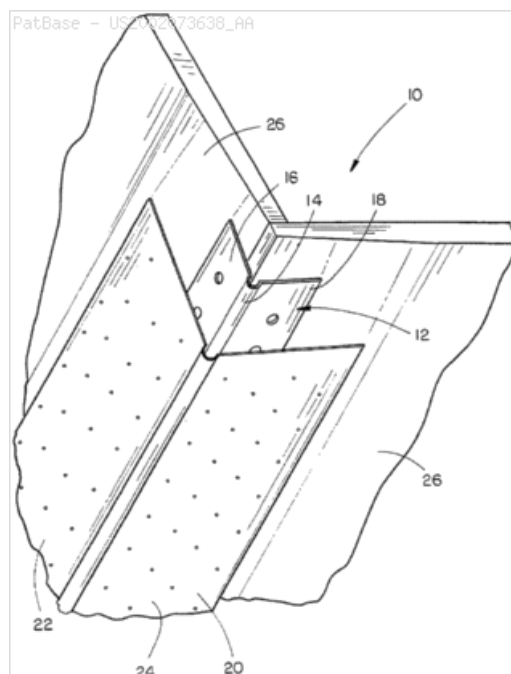
International (IPC 8-9): E04F13/06 (Advanced/Invention);
E04F13/02 (Core/Invention)

International (IPC 1-7): B32B31/00 E04B1/00 E04B2/00 E04F13/00
E04F13/06 E04G21/00 E04G23/00

CPC: E04F2013/063 E04F13/06 E04F13/068

European: E04F13/06

US: 156/153 156/153S 156/71 156/71S 52/255 52/255P 52/256 52/256S 52/287.1 52/745.19 52/745.190S 52/746.1 522/550



Family:

Publication number	Publication date	Application number	Application date
US2002073638 AA	20020620	US20010967320	20010928
US2002073639 AA	20020620	US20010967335	20010928
US2003089058 AA	20030515	US20020324916	20021220
US6295776 BA	20011002	US20000573022	20000517
US6539680 BB	20030401	US20010967335	20010928
US6722092 BB	20040420	US20020324916	20021220

Priority:

US20000573022 20000517 US20010967320 20010928 US20010967335 20010928
US20020324916 20021220

Probable Assignee: PHILLIPS MFG CO

Assignee(s): (std): PHILLIPS MFG CO

Assignee(s): RANTILLA ROY R ; KUNZ ROLAND ; PHILLIPS MANUFACTURING CO ; PHILLIPS MFG

Inventor(s): (std): KUNZ ROLAND ; RANTILLA ROY R

31) Family number: 33093569 (US2006142468A)

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Title: MICROSPHERE-FILLED POLYTETRAFLUOROETHYLENE COMPOSITIONS

Abstract: The present invention is a composition that includes granular-grade polytetrafluoroethylene and a plurality of microspheres, where the plurality of microspheres have an average specific gravity less than about 0.9 grams per cubic centimeter.

Classifications:

International (IPC 8-9): C08J9/26 C08J9/32 C08K3/40 C08K7/20
C08K7/22 C08L27/12 C08L27/18 (Advanced/Invention);
C08J9/00 C08K3/00 C08K7/00 C08L27/00 (Core/Invention);
C08K C08L (Subclass/Invention)

International (IPC 1-7): C08K7/22

CPC: Y10T428/2982 C08K7/22

European: C08K7/22

US: 428/402 523/218 524/219 524/493 524/494 524/544 524/545
524/546 524/847

PatBase - RU2007123146_A

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(51) МПК: C08K 7/22 (2006.01)

ФЕДЕРАЛЬНАЯ СЛУЖБА
ПО ИНТЕЛЛЕКТУАЛЬНОЙ СОБСТВЕННОСТИ,
ПАТЕНТАМ И ТОВАРНЫМ ЗНАКАМ

(12) ЗАЯВКА НА ИЗОБРЕТЕНИЕ

(71) Заявитель:
3М Инновативные Пропертиес Компани (US)

(72) Автор(ы):
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НАКАЗАТО МАКОТО (JP);
НАКАЗАТО КАТСУHIKO (JP)

(31) Заявка: 2007123146/04, 16.12.2006
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(86) Заявка РСТ:
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(87) Публикация РСТ:
WO 2006/071399 (06.07.2006)

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Сектор «Синтез и Дизайн» (Москва) ПРС,
тел./факс: 0-8-800-000-0000

(54) СОЕДИНЕНИЯ ПОЛИТЕТРАФЛОРИДОВ С НАПОЛНИТЕЛЕМ ИЗ МИКРОСФЕР

(57) Формула изобретения

1. Соединение, состоящее из гранулированного политетрафторэтилена и множества микрофер, причем множество микрофер имеет средний удельный вес, не превышающий 0,9 г/см³.

2. Соединение по п.1, отличающееся тем, что гранулированный политетрафторэтилен имеет средний размер частиц в диапазоне примерно от 5 мкм до примерно 500 мкм.

3. Соединение по п.2, отличающееся тем, что гранулированный политетрафторэтилен имеет средний размер частиц в диапазоне от примерно 10 мкм до примерно 50 мкм.

4. Соединение по п.1, отличающееся тем, что концентрация множества микрофер составляет от примерно 1% до примерно 45% по весу соединения, исходя из общего веса соединения.

5. Соединение по п.4, отличающееся тем, что концентрация множества микрофер составляет от примерно 20% до примерно 30% по весу соединения, исходя из общего веса соединения.

6. Соединение по п.1, отличающееся тем, что средний размер частиц множества микрофер составляет от примерно 10 мкм до примерно 70 мкм.

7. Соединение по п.1, отличающееся тем, что множество микрофер обладает средней прочностью на разрывание как минимум примерно 69 МПа.

8. Соединение по п.7, отличающееся тем, что множество микрофер обладает средней прочностью на разрывание как минимум примерно 117 МПа.

9. Соединение по п.1, отличающееся тем, что множество микрофер обладает

Страница 1

Family:

Publication number	Publication date	Application number	Application date
CN101111552 A	20080123	CN200580045416	20051216
EP1838774 A1	20071003	EP20050854549	20051216
IN02882CN2007 A	20070907	IN2007CN02882	20070629
JP2008525622 T2	20080717	JP20070549455T	20051216
RU2007123146 A	20090210	RU20070123146	20051216
US2006142468 AA	20060629	US20040025183	20041229
US7314898 BB	20080101	US20040025183	20041229
WO06071599 A1	20060706	WO2005US45861	20051216
ZA200706257 A	20090826	ZA20070006257	20070727

Priority:

US20040025183 20041229 WO2005US45861 20051216

Probable Assignee: 3M CO

Assignee(s): (std): 3M CO ; 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY

Inventor(s): (std): DOWNING JR JAMES W ; KATSUHIKO NAKAZATO ; KENJI NAGAI ; MAKOTO NAGASE ; NAGAI KENJI ;
NAGASE MAKOTO ; NAKAZATO KATSUHIKO ; DOWNING JAMES W ; DOWNING JAMES W JR

Inventor(s): DOWNING JAMES WJR ; DOWNING JAMES

Agent(s): 3M INNOVATIVE PROPERTIES COMPANY; 3M INNOVATIVE PROPERTIES CO; SZYMANSKI BRIAN E;
BRIAN E

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE
KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI
NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA
UG US UZ VC VN YU ZA ZM ZW

32) Family number: 50773594 (US2013165542A)

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Title: GLASS BUBBLES, COMPOSITES THEREFROM, AND METHOD OF MAKING GLASS BUBBLES

Abstract: The present disclosure provides a plurality of glass bubbles having an average true density of up to about 0.55 grams per cubic centimeter and a size distribution including a median size in a range from about 15 micrometers to 40

micrometers. A hydrostatic pressure at which ten percent by volume of the plurality of glass bubbles collapses is at least about 100 megapascals. In some embodiments, the plurality of glass bubbles is a graded fraction preparable by classifying a second plurality of glass bubbles, wherein the second plurality of glass bubbles has a higher percentage of glass bubbles with a size of up to ten micrometers than the first plurality of glass bubbles. Composites including the plurality of glass bubbles are also disclosed.

Classifications:

International (IPC 8-9): C03B19/10 C03C11/00 C03C12/00 C03C3/089 C03C3/091 C08K7/28 C08L101/00 C09J7/00 (Advanced/Invention)

CPC: C08K2201/005 Y10T428/2982 Y10T428/2996 C08K7/28

European: C08K7/28

US: 209/2 209/659 298/402 298/406 428/402 428/406 521/143 521/183

Family:

Publication number	Publication date	Application number	Application date
BR112013005527 A2	20160503	BR20131105527	20110907
CA2810830 AA	20130307	CA20112810830	20110907
CA2810830 C	20190115	CA20112810830	20110907
CN103118996 A	20130522	CN201180043377	20110907
CN103118996 B	20160803	CN201180043377	20110907
EA026442 B1	20170428	EA20130000229	20110907
EA026442 B8	20170731	EA20130000229	20110907
EA201300229 A1	20141128	EA20130000229	20110907
EP2614039 A1	20130717	EP20110824050	20110907
EP2614039 A4	20150805	EP20110824050	20110907
EP2614039 B1	20190109	EP20110824050	20110907
IN01862CN2013 A	20141212	IN2013CN01862	20130307
IN299830 B	20180810	IN2013CN01862	20130307
JP2013538176 T2	20131010	JP20130528263T	20110907
JP2016169152 A2	20160923	JP20160100355	20160519
JP5977239 B2	20160824	JP20130528263T	20110907
JP6469042 B2	20190213	JP20160100355	20160519
KR101902591 B1	20180928	KR20137008521	20110907
KR20130108329 A	20131002	KR20137008521	20110907
US2013165542 AA	20130627	US20110821167	20110907
US2015218349 AA	20150806	US20150684926	20150413
US9006302 BB	20150414	US20110821167	20110907
WO12033810 A1	20120315	WO2011US50648	20110907

Priority:

US20100380770P 20100908 JP20130528263T 20110907 US20110821167 20110907
WO2011US50648 20110907 US20130821167 20130306 US20150684926 20150413
JP20160100355 20160519

Probable Assignee: 3M CO

Assignee(s): (std): AMOS STEPHEN E ; HUNTER ROBERT W ; ISRAELSON RONALD J ; TAKEISHI TOWAKO ; WILLIAMS MARK J ; YAMABE TAKUJIRO ; 3M CO ; 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY

Inventor(s): (std): MARK J WILLIAMS ; RONALD J ISRAELSON ; ROBERT W HUNTER ; AMOS STEPHEN E ; WILLIAMS MARK J ; HUNTER ROBERT W ; TAKEISHI TOWAKO ; YAMABE TAKUJIRO ; ISRAELSON RONALD J

Inventor(s): TAKUJIRO YAMABE ; TOWAKO TAKEISHI ; STEPHEN E AMOS

Agent(s): SMART AND BIGGAR; HERZOG FIESSER AND PARTNER; HERZOG FIESSER AND PARTNER
PATENTANWAELTE PARTG MBB; AOKI ATSUSHI; KOGA TETSUJI; ISHIDA TAKASHI; GROSS KATHLEEN
B 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 ZA ZM ZW

33) Family number: 45960702 (US2010175590A)

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Title: SNAP-SET, READY-MIX JOINT COMPOUND

Abstract: A joint compound system includes a set-inhibited, pre-wetted, setting-type, ready-mix joint compound and a set initiator. The set-inhibited, pre-wetted, setting-type joint compound includes a ready-mixed, setting-type joint compound base with a calcium-free phosphate set preventing agent that impedes chemical hydration of a gypsum component of the setting-type joint compound. The joint compound base is free of calcium carbonate. The set initiator includes alum to reinitiate the chemical hydration reactions.

Classifications:

International (IPC 8-9): C04B11/00 C04B14/18 C04B22/14 C04B26/02 C04B28/14 (Advanced/Invention);
C04B11/00 C04B14/02 C04B26/00 C04B28/00 (Core/Invention);
C04B22/14 C04B28/14 (Core/Non-invention)

CPC: C04B40/0658 C04B28/145 C04B2111/00112 C04B2111/00689 C04B2111/10

European: C04B28/14H C04B40/06K M04B111/00M10 M04B111/00T10B4 M04B111/10

US: 106/698 106/773 106/773S 106/780 106/780S 106/782 106/782S 106/787 106/787S 524/2 524/2S 524/5 524/5S 524/8 524/8S

Family:

Publication number	Publication date	Application number	Application date
TW201118056 A	20110601	TW20100103624	20100206
TWI633076 B	20180821	TW20100103624	20100206
US2010175590 AA	20100715	US20090621835	20091119

Priority:

US20090144552P 20090114 US20090621835 20091119

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): MILLER CHARLES J ; STEVENS RICHARD B ; UNITED STATES GYPSUM CO

Assignee(s): UNITED STATES GYPSUM COMPANY

Inventor(s): (std): STEVENS RICHARD B ; MILLER CHARLES J

Agent(s): GREER BURNS AND CRAIN LTD

34) Family number: 54127704 (US2013156961A)

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Title: TAPE JOINT COMPOUND

Abstract: An aqueous tape joint compound including: an inorganic filler; an emulsion polymer binder; cellulose ether thickener; water; and from 0.01 to 1.3 percent by weight based on the weight of the aqueous joint compound, water-soluble polymer or salts thereof, the water-soluble polymer selected from the group consisting of (a) polymer consisting essentially of, as polymerized units, from 50 percent to 100 percent, by weight based on the weight of the polymer, acrylic acid, and from 0 percent to 50 percent, by weight based on the weight of the polymer, second monoethylenically unsaturated acid monomer, (b) diisobutylene-maleic anhydride polymer, and (c) mixtures thereof; the water-soluble polymer having a weight average molecular weight of from 1500 to 75,000 and a calculated Tg of from 80 degrees centigrade to 250 degrees centigrade; the aqueous tape joint compound being substantially free from calcium sulfate hemihydrate is provided.

Classifications:

International (IPC 8-9): B05D3/02 C04B26/06 C08L1/26 C08L1/28 C08L33/02 C09D5/34 C09J101/26 C09J133/08 C09K3/10 (Advanced/Invention);

C04B103/00 C04B111/00 C04B111/10 (Advanced/Non-invention)

CPC: C08L1/28 C04B26/06 C04B2103/0065 C04B2111/00672 C04B2111/1018 C08L33/02 C04B14/102 C04B14/20 C04B14/28 C04B24/383 C04B2103/67

US: 427/385.5 524/43

Family:

Publication number	Publication date	Application number	Application date
AU2012258365 AA	20130704	AU20120258365	20121123
AU2012258365 BB	20131010	AU20120258365	20121123
CA2795087 AA	20130620	CA20122795087	20121114
CA2795087 C	20160809	CA20122795087	20121114
US2013156961 AA	20130620	US20120718085	20121218
US9683094 BB	20170620	US20120718085	20121218

Priority:

US20110577936P 20111220 CA20122795087 20121114 US20120718085 20121218

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): DOW GLOBAL TECH LLC ; DOW GLOBAL TECHNOLOGIES LLC ; ROHM AND HAAS

Assignee(s): ROHM AND HAAS COMPANY ; HEULINGS HARRY R IV ; HYMAN LARRY N ; ROHM AND HAAS CO

Inventor(s): (std): HEULINGS HARRY R IV ; HEULINGS IV HARRY R ; HYMAN LARRY N

Inventor(s): HEULINGS HARRY R

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; ANDREW E C; RONALD D

35) Family number: 51433737 (US2012171772A)

© PatBase

Title: TAGGED JOINT COMPOUND AND METHOD OF IDENTIFICATION

Abstract: At least one of these or other problems is reduced using a building material that is uniquely identifiable. A method of making an identifiable gypsum-based building product includes selecting a tagging material occurring naturally in a component of the building material and choosing a carrier substance having a high concentration of the tagging material. By selecting an amount of the carrier substance and adding it to the building material, a building product having a unique product characteristic is created. In a second embodiment of the invention, a second tagging material is combined with the first tagging material to create a unique product. In yet another embodiment of the invention, a supplemental amount of the tagging material is added to the gypsum-based composition in addition to the carrier substance. Some tagging materials are useful in a gypsum-based composition to produce a visual confirmation of the presence of the tagging material.

Classifications:

International (IPC 8-9): C04B28/14 G01N21/35 G01N30/02 G01N33/38 G01N37/00 H01J49/26 (Advanced/Invention)

CPC: C04B40/0096 C04B28/14 C04B2111/00672 G01N2030/8859

European: S01N30/88C5

US: 106/35 106/640 106/640S 106/772 106/772S 106/773 106/773S 250/282 250/282S 250/340 250/340S 436/56 436/56P 73/23.35 73/23.350S 73/61.52 73/61.520S

Family:

Publication number	Publication date	Application number	Application date
US2012171772 AA	20120705	US20110150918	20110601
US8642346 BB	20140204	US20110150918	20110601

Priority:

US20100428026P 20101229 US20110150918 20110601

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): IMMORDINO JR SALVATORE C ; LINK BRETT R ; MILLER CHARLES J ; ROSENTHAL GUY L ; STEVENS RICHARD B ; UNITED STATES GYPSUM CO ; YEUNG LEE K

Inventor(s): (std): IMMORDINO JR SALVATORE C ; MILLER CHARLES J ; LINK BRETT R ; YEUNG LEE K ; ROSENTHAL GUY L ; STEVENS RICHARD B

Agent(s): PRADIP; GREER BURNS AND CRAIN LTD; PHILIP T

Title: DECORATIVE COMPOSITION AND METHOD OF USING IT

Abstract: A composition includes a first filler in amounts of at least 50 percent based on the total composition weight and an optional second filler. Other components of the decorative composition include a polymeric resin, a coalescent solvent and water. This composition is substantially free of stucco, cement or other hydraulic component where the setting action would act as the binder for the composition. It is useful for creating textures on the surface of interior walls or ceilings.

Classifications:
International (ipc 8-9): A01N25/10 A01P1/00 A01P3/00 B05D5/00 C04B103/67 C04B26/02 C07C69/003 C07C69/30 C08K3/10 C08K3/26 C08L1/00 C08L101/00 C08L33/00 C08L33/08 C08L33/24 C08L35/06 C09D1/00 C09D125/14 C09D131/04 C09D133/02 C09D163/00 C09D175/04 C09D201/00 C09D5/02 C09D5/14 C09D5/34 C09D7/12 E04B1/62 E04F13/02 (Advanced/Invention); C04B103/67 (Advanced/Non-invention); C08K3/00 C08L1/00 C08L33/00 C09D201/00 (Core/Invention); C08K3/26 (Core/Non-invention)
International (ipc 1-7): C04B26/00
CPC: C04B26/02 C04B2111/1037 C08L33/08 C08L35/00 C08L35/06 C09D133/08 C09D135/06
European: C04B26/02 C08L33/08 C08L35/06 C09D133/08 C09D135/06 M04B111/10F M08L33/08 M08L35/06
US: 523/122 524/35 524/35S 524/425 524/425S 524/555 524/555S 524/556 524/556S

PatBase - NZ589545_R

END

Family:

Publication number	Publication date	Application number	Application date
AR071961 AA	20100728	AR2009P101944	20090529
AU2009256419 AA	20091210	AU20090256419	20090601
AU2009256419 BB	20140220	AU20090256419	20090601
BRPI0909885 A2	20151027	BR2009PI09885	20090601
CA2725965 AA	20091210	CA20092725965	20090601
CL2009001334 A1	20100416	CL20090001334	20090601
CN102066510 A	20110518	CN200980120889	20090601
CO6331355 A2	20111020	CO20100163508	20101228
DK2291474 T3	20170306	DK20090759147T	20090601
EP2291474 A2	20110309	EP20090759147	20090601
EP2291474 A4	20111116	EP20090759147	20090601
EP2291474 B1	20161207	EP20090759147	20090601
ES2617865 T3	20170620	ES20090759147T	20090601
HU031762 T2	20170728	HU20090759147T	20090601
JP2011522108 T2	20110728	JP20110512555T	20090601
MX2010013042 A1	20101221	MX20100013042	20090601
NZ589545 A	20120427	NZ20090589545	20090601
PE01142010 A1	20100303	PE20090000760	20090601
PL2291474 T3	20170731	PL20090759147T	20090601
PT2291474 T	20170308	PT20090759147T	20090601
RU2010148560 A	20120720	RU20100148560	20090601
RU2504566 C2	20140120	RU20100148560	20090601
TW201000534 A	20100101	TW20090117961	20090601
US2009298968 AA	20091203	US20080132204	20080603
WO09148986 A2	20091210	WO2009US45780	20090601
WO09148986 A3	20100304	WO2009US45780	20090601

Priority:

US20080132204 20080603 EP20090759147 20090601 WO2009US45780 20090601

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): BURY RAFAEL ; JUNAJTED STEHJTS DZHIPSUM KOMPANI ; KNAUF GIPS KG ; LI DONGHONG ; UNITED STATES GYPSUM CO

Assignee(s): UNITED STATES GYPSUM COMPANY

Inventor(s): (std): LI DONG HONG ; BURRY RAFAEL ; DONGHONG LI ; RAFAEL BURY ; LI DONGKHONG ; BARI RAFAEHL ; BURY RAFAEL ; LI DONGHONG

Inventor(s): RAFAEL BURRY ; RAFAEL ; BURY ; LI ; DONGHONG

Agent(s): FB RICE; JAMES AND WELLS INTELLECTUAL PROPERTY; MOFFAT AND CO; JOHANSSON; DANILO ROMERO RAAD; PONTET BERNARD; DOMPATENT VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENT U RECHTSANWAELTEN MBB; CARPINTERO MARIO; GREER BURNS AND CRAIN LTD; MICKELSON CAROLE A

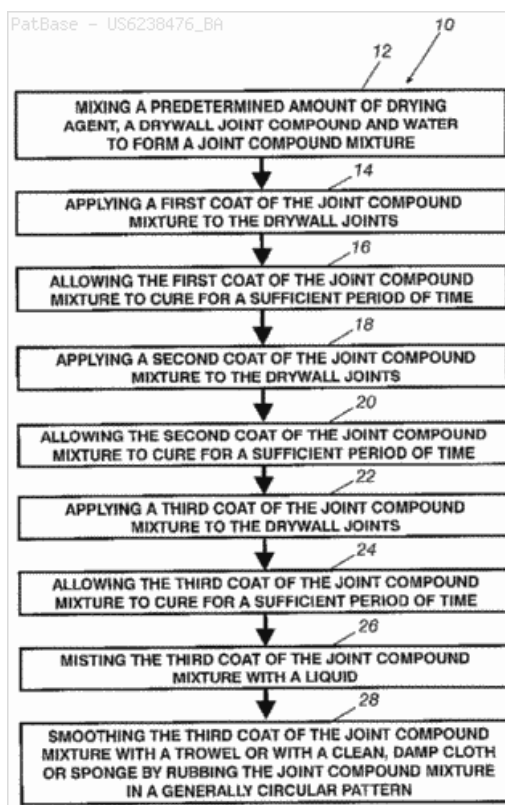
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV

37) Family number: 15400747 (US6238476B)

© PatBase

Title: Method of curing drywall compound

Abstract: A method of reducing the curing time of drywall joint compound, and thereby reducing the time required to finish drywall joints or to repair plaster walls, includes adding a predetermined amount of a drying agent to a conventional ready-mixed drywall joint compound. The drying agent preferably comprises at least one compound selected from the group of compounds consisting of plaster of Paris, calcium carbonate, gypsum, crystallized silicon dioxide (quartz), Portland cement, perlite, lime, hydroxy ethyl ether of cellulose, polyvinyl alcohol, starch, wood fiber, potassium naphthalene sulfon, aluminum sulfate, sodium citrate, ammonium tartrate, hydrolyzed protein, monosodium phosphate, sodium naphthalene sulfonate, potassium sulfate and various trace materials, or mixtures thereof. A sufficient amount of water is added to the drying agent to facilitate mixing the drying agent with the drywall joint compound to form a joint compound mixture. The joint compound mixture may then be applied to drywall or to a plaster wall in a manner that is well known in the art and will cure in a relatively short period of time so that subsequent coats of joint compound mixture may be added without significant delay. Furthermore, the method of the present invention allows the joint compound mixture to be smoothed after application to the drywall or to the plaster wall without sanding.

Classifications:**International (IPC 8-9):** C04B26/04 (Advanced/Invention)**International (IPC 1-7):** C04B11/00 C04B11/02**CPC:** C04B26/04 C04B2103/10 C04B2103/465 C04B2111/00612 C04B2111/00672**European:** C04B26/04 M04B103/10 M04B103/46B M04B111/00T10B M04B111/00T6**US:** 106/645 106/646 106/650 106/651 106/653 106/654 106/674 106/675 106/678 106/680 106/735 106/736 106/772 106/788 106/792 106/796 106/799**Family:**

Publication number	Publication date	Application number	Application date
US6238476 BA	20010529	US19990334139	19990615

Priority:

US19980090510P 19980624 US19990334139 19990615

Probable Assignee: SPRINKLE MARK A**Assignee(s):** SPRINKLE MARK A**Inventor(s):** (std): SPRINKLE MARK A**38) Family number: 31003752** (US2002058721A)

© PatBase

Title: NOVEL FOAMING COMPOSITIONS AND METHODS FOR MAKING AND USING THE COMPOSITION

Abstract: A low-temperature foam compositions and that are produced from an epoxy compound and an acid source can be substantially free of polyurethane or isocyanate chemistry. The disclosed compositions and precursors thereof reduce, if not eliminate, the presence of conventional undesirable compounds and by-products thereof.

Classifications:

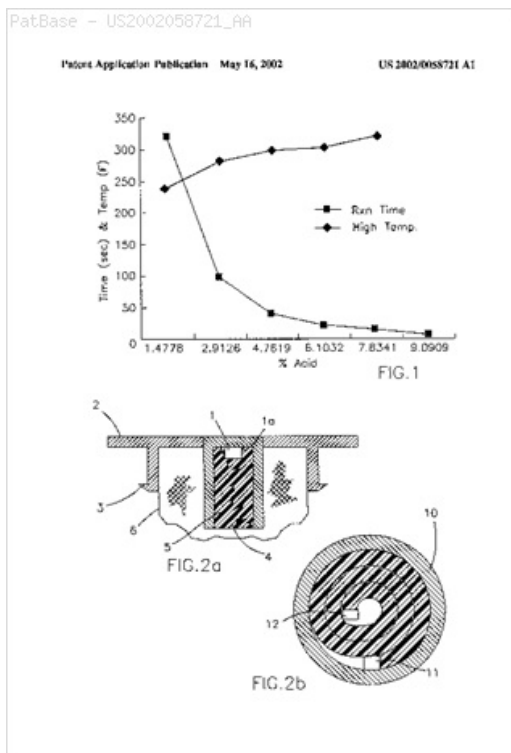
International (IPC 8-9): C08F2/46 C08F2/48 C08F2/50 C08F283/10 C08G59/24 C08G59/62 C08J9/00 C08J9/12 C08J9/32 C08L63/00 C08L71/02 C09D163/00 C09K3/10 G03F7/038 (Advanced/Invention); C08F2/46 C08F283/00 C08G59/00 C08J9/00 C08L63/00 C08L71/00 C09D163/00 C09K3/10 G03F7/038 (Core/Invention)

International (IPC 1-7): C08F2/46 C08F2/48 C08F2/50 C08G59/24 C08J3/28 C08J9/00 C08J9/02 C08J9/32 C08K3/00 C08L63/00 C09D163/00

CPC: C08J9/0061 C08J9/32 C08J2203/22 C08J2363/00 C08J9/122 C08J2363/02 B29C44/184 B29C44/353 G03F7/038 C08F283/10 C08G59/24 C08G59/626 C08L63/00 C08L71/02 C09D163/00 C09K3/10 C09K2200/0647 C09K2200/0655 Y10T428/31812 Y10T428/31884 Y10T428/31913 Y10T428/31917 Y10T428/31931

European: B29C44/18C4 B29C44/35D C08F283/10 C08G59/24

C08G59/62D2 C08J9/00L C08J9/12B C08J9/32 C08L63/00
C08L71/02 C09D163/00 C09K3/10 G03F7/038 M08J203/22
M08J363/00 M08J363/02 M09K200/06M2 M09K200/06M8
US: 427/140 427/142 427/207.1 427/487 427/508 427/510 427/510P
427/516 427/517 427/518 427/521 428/487 428/508 428/516
428/517 428/521 521/130 521/135 521/140 521/178 521/178S
521/54 521/85 521/88 521/94 521/95 521/97 522/100 522/102
522/104 522/113 522/122 522/129 522/129S 522/134 522/143
522/17 522/170 522/170S 522/31 522/31S 522/64 522/71 522/74
522/78 522/79 522/80 522/81 522/83 522/83S 522/84 528/405
528/405S 528/408 528/408S



Family:

Publication number	Publication date	Application number	Application date
AU199875834 A1	19981211	AU19980075834	19980520
AU199875840 A1	19981211	AU19980075840	19980520
AU200247514 A1	20020801	AU20020047514	20020612
AU200247514 A5	20020801	AU20020047514D	20020612
AU740660 B2	20011108	AU19980075840	19980520
AU750635 B2	20020725	AU19980075834	19980520
AU781714 B2	20050609	AU20020047514	20020612
CA2290423 AA	19991117	CA19982290423	19980520
CA2290425 AA	19991117	CA19982290425	19980520
DE69808283 D1	20021031	DE19986008283T	19980520
DE69808283 D1	20021031	DE19986008283	19980520
DE69808283 T2	20030731	DE19986008283T	19980520
DE69831664 D1	20060202	DE19986031664	19980520
DE69831664 D1	20060202	DE19986031664T	19980520
DE69831664 T2	20060614	DE19986031664T	19980520
EP0983312 A1	20000308	EP19980923579	19980520
EP0983312 B1	20020925	EP19980923579	19980520
EP0983320 A1	20000308	EP19980923572	19980520
EP0983320 B1	20050921	EP19980923572	19980520
EP0983320 B9	20060628	EP19980923572	19980520
ES2184264 T3	20030401	ES19980923579T	19980520
US2002058721 AA	20020516	US19990300930	19990428
US2002115737 AA	20020822	US20000578206	20000524
US2002182339 AA	20021205	US20020091726	20020306
US2003195268 AA	20031016	US20020268309	20021010
US6174932 BA	20010116	US19980081966	19980520
US6277898 BA	20010821	US19980197107	19981120
US6444713 BA	20020903	US19980197124	19981120
US6461691 BA	20021008	US19990448810	19991124
US6479560 BB	20021112	US20000578206	20000524
US6858260 BB	20050222	US20020091726	20020306
WO9852997 A1	19981126	WO1998US10331	19980520
WO9853008 A1	19981126	WO1998US10320	19980520

Priority:

US19970047273P 19970521	US19970047290P 19970521	US19980079205P 19980324
US19980079204P 19980324	AU19980075834 19980520	US19980081967 19980520
US19980081966 19980520	WO1998US10331 19980520	WO1998US10320 19980520
WO1998US10320 19980520	US19980197107 19981120	US19980197124 19981120
US19990300930 19990428	US19990344198 19990624	US19990448810 19991124
US20000578206 20000524	US20020091726 20020306	AU20020047514 20020612
US20020268309 20021010		

Probable Assignee: BLUE GOO LLC

Assignee(s): (std): DENOVUS LLC ; TAYLOR DONALD ; ORBSEAL LLC ; PACHL JEFFREY T ; DENOVUS L L C

Assignee(s): DENOVUS L L C EXCELSIOR SPRINGS ; BLUE GOO LLC ; JEFFREY T PACHL ; DONALD TAYLOR ; DENOVUS LLC 1324 KEARNEY ROAD ORSCHELN MANAGEMENT ; ORBSEAL LLC ORSCHELN MANAGEMENT CO ; LOVSHE LAURIE DENISE ; SCRIVENS TODD W ; TAYLOR DONALD W ; ROGERS JESS ; FREITAG JAMES W

Inventor(s): (std): PACHL JEFFREY T ; SCRIVENS TODD W ; TAYLOR DONALD ; TAYLOR DONALD W ; TODD W SCRIVENS ; SCRIVENS W ; ROGERS JESS ; PACHL T ; LOVSHE LAURIE DENISE ; JEFFREY T PACHL ; FREITAG

Agent(s): JAMES W ; DONALD TAYLOR
Designated states: PHILLIPS ORMONDE FITZPATRICK; BORDEN LADNER GERVAIS LLP; MICHAEL K
AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA
GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML
MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN
YU ZW

39) Family number: 2909758 (US4824879A) © PatBase

Title: Low shrinkage tape joint composition containing attapulgite

Abstract: The shrinkage of tape joint compounds, which normally comprise water, filler, and binding resin, is significantly reduced by minimizing the amount of water-absorbing materials such as attapulgite and hydroxyethyl cellulose. Comparable improvements can be made to spachtling compounds.

Classifications:

International (IPC 8-9): C09D5/34 C09K3/10 (Advanced/Invention);
C09D5/34 C09K3/10 (Core/Invention)

International (IPC 1-7): C08L1/26 C09D5/34 C09K3/10

CPC: C09D5/34 C09K3/1015 C09K2200/0239 C09K2200/0252
C09K2200/0265 C09K2200/0622

European: C09D5/34 C09K3/10D10 M09K200/02E M09K200/02F4
M09K200/02F5 M09K200/06H4

US: 524/43 524/44

PatBase - CA1287450_A1

**SUBSTITUTE
REPLACEMENT**

**SECTION is not Present
Cette Section est Absente**

Family:

Publication number	Publication date	Application number	Application date
AU198772146 A1	19880428	AU19870072146	19870428
AU585444 B2	19890615	AU19870072146	19870428
CA1287450 A1	19910813	CA19870536851	19870511
DE3750922 D1	19950209	DE19873750922	19870611
DE3750922 T2	19950622	DE19873750922T	19870611
EP0260784 A2	19880323	EP19870305188	19870611
EP0260784 A3	19891129	EP19870305188	19870611
EP0260784 B1	19941228	EP19870305188	19870611
JP63003082 A2	19880108	JP19870152385	19870618
US4824879 A	19890425	US19870127520	19871127

Priority:

US19860876753 19860620 CA19870536851 19870511 US19870127520 19871127

Probable Assignee: 3M CO

Assignee(s): (std): MINNESOTA MINING AND MFG ; 3M CO

Assignee(s): MINNESOTA MINING AND MANUFACTURING CO ; MINNESOTA MINING AND MANUFACTURING COMPANY ; MINNESOTA MINING AND MFG CO SAINT PAUL MINN US ; MINNESOTA MINING AND MFG CO ; MINNESOTA MINING AND MFG CO It 3M gt ; ROBERTSON DONALD L ; MONTGOMERY RICHARD L

Inventor(s): (std): MONTGOMERY RICHARD L ; MONTGOMERY RICHARD L C O MINNE ; MONTGOMERY RICHARD LLEWELLYN ; RICHYAADO REUERIN MONTGOMERI ; ROBERTSON DONALD L ; ROBERTSON DONALD L C O MINNESO ; ROBERTSON DONALD LEE ; DONARUDO RII ROBAATOSON

Inventor(s): RICHARD LLEWELLYN MONTGOMERY ; DONALD LEE ROBERTSON ; RICHYAADO REUERIN MONTGOMERII ; ROBERTSON DONALD L C O MINNESOTA MINING AND ; ROBERTSON DONALD L C O MINNESOTA MINING AND P O BO ; ROBERTSON DONALD L C O MINNESOTA MINING AND P... ; MONTGOMERY RICHARD L C O MINNESOTA MINING AND ; MONTGOMERY RICHARD L C O MINNESOTA MINING AND P O

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR

Designated states: DE FR GB IT SE

40) Family number: 51368778 (US2012165426A) © PatBase

Title: NON-HOMOGENEOUS READY-MIX JOINT COMPOUND

Abstract: A wallboard joint compound includes a base joint compound having a homogeneous, paste-like blend of water and at least one of a filler, a binder, a thickener, a suspending agent, a biocide, a preservative, a mineral filler and expanded perlite; and an additive discretely added to the base joint compound to be available for use once mixed into the base joint compound just prior to application of the wallboard joint compound by a user.

Classifications:

International (IPC 8-9): C04B26/02 C04B40/00 C08K5/06 C08K5/22 C08K5/42 C09D5/34 (Advanced/Invention); C04B11/00 E04F13/02 (Advanced/Non-invention)

CPC: C04B2103/44 C04B24/16 C04B24/383 C04B2103/54 C04B14/28 C04B14/185 C04B2103/30 C04B40/0641 C04B14/365 C04B2103/40 C09D5/34 C04B26/02 C04B40/0039 C04B2111/00681 E04F13/02

US: 523/122 524/156 524/158 524/158S 524/366

Family:

Publication number	Publication date	Application number	Application date
US2012165426 AA	20120628	US20110335130	20111222
US8822566 BB	20140902	US20110335130	20111222

Priority:

US20100426766P 20101223 US20110335130 20111222

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): HARGROVE PAMELA L ; STEVENS RICHARD B ; UNITED STATES GYPSUM CO

Inventor(s): (std): STEVENS RICHARD B ; HARGROVE PAMELA L

Agent(s): PRADIP; GREER BURNS AND CRAIN LTD; PHILIP T

41) Family number: 61183792 (US2017152182A)

© PatBase

Title: DRY MORTAR MIXTURE WITH GRAINS OF EXPANDED GLASS

Abstract: Dry mortar mixture characterized by a glass mixture of expanded glass beads with a grain size d/D 0/8, mixed in a ratio of between 1:1 and 1:3, for example 1:2 with a dust poor or dust free binding mixture of hydraulic binders and stone granules in the weight ratio of 1:2 to 1:4. The glass has a discontinuous grain distribution. For the glass mixture the fractions 0.5/1.0 and 2.0/4.0 are present while the fractions 0.25/0.5 and 1.0/2.0 are absent. For the glass mixture preferably all grain sizes between 1.0 and 2.0 mm are absent and the grain size distribution is around an average, so that an open structure is obtained.

Classifications:

International (IPC 8-9): C04B11/00 C04B11/60 C04B14/06

C04B14/22 C04B14/24 C04B20/00 C04B24/06 C04B24/24

C04B24/26 C04B28/04 C04B28/06 C04B28/14 C04B40/06

E04F13/02 E04F15/02 E04F15/12 (Advanced/Invention);

C04B103/00 C04B11/00 C04B11/20 C04B11/27

C04B11/60 (Advanced/Non-invention)

CPC: C04B14/06 C04B24/24 C04B40/0608 C04B24/2623

E04F15/02155 C04B28/14 C04B14/24 C04B28/04 C04B2103/0057

C04B2111/00612 C04B2111/27 C04B2111/29 C04B2111/60

C04B24/06 C04B2103/0054 C04B2103/306 C04B2103/406

C04B2103/408 C04B2103/44 C04B2103/50 C04B2103/402

C04B2103/0088 C04B2103/404 C04B20/0096 C04B28/06 E04F13/02

E04F15/12

PatBase - US2017152182_AA

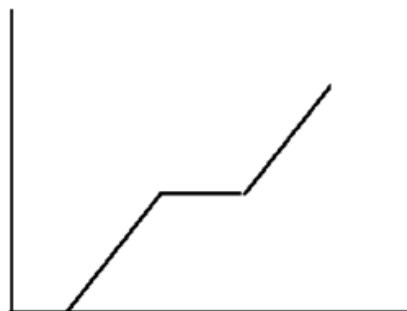


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
EP3157887 A1	20170426	EP20150751118	20150619
NL2014985 A1	20160330	NL20152014985	20150618
NL2014985 B1	20161206	NL20152014985	20150618
US2017152182 AA	20170601	US20150319955	20150619
US10221099 BB	20190305	US20150319955	20150619
WO15194958 A1	20151223	WO2015NL50451	20150619

Priority:

NL20142013050 20140620 NL20152014985 20150618 WO2015NL50451 20150619

Probable Assignee: CEVES VERGEER BV

Assignee(s): (std): BOERGER JEROEN ; CEVES VERGEER BV

Inventor(s): (std): BOERGER JEROEN ; BORGER JEROEN ; JEROEN BOERGER

Agent(s): ASSENDELFT JACOBUS HW; YOUNG AND THOMPSON; ASSENDELFT JACOBUS

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

42) Family number: 2153809 (US4657594A)

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Title: LIGHTWEIGHT JOINT COMPOUND

Abstract: Expanded perlite coated with an amino-functional siloxane and a silicone wetting agent, and a joint compound

incorporating same, which, when applied to gypsum wallboard, has improved bonding properties and greater uniformity in paint gloss appearance between the surface of the joint compound and the surface of the wallboard.

Classifications:

International (IPC 8-9): C04B14/18 C04B20/10 C04B24/38 C04B26/04 C04B28/02 (Advanced/Invention); C04B20/00 C04B24/00 C04B26/00 (Core/Invention)

International (IPC 1-7): B32B17/00 B32B19/00 C04B14/18 C04B20/10 C04B28/02 C08K13/06 C08K9/06 C09D5/34 C09J1/00 C09K3/00 C09K3/10

CPC: Y10S106/02 C04B20/1051 C04B24/383 C04B26/04 C04B2111/00672

European: C04B20/10D C04B24/38B C04B26/04 M04B111/00T10B

US: 106/109 106/110 106/111 106/112 106/113 106/114 106/115 106/177.1 106/308N 106/409 106/417 106/467 106/675 106/724 106/DIG.2 521/57 523/209 523/212 524/268 524/43 524/44 524/47

Family:

Publication number	Publication date	Application number	Application date
AU198659716 A1	19870108	AU19860059716	19860703
CA1244170 A1	19881101	CA19860510085	19860527
EP0211522 A1	19870225	EP19860305159	19860703
GB2178340 A1	19870211	GB19860015930	19860630
GB2178340 B2	19890712	GB19860015930	19860630
GB8615930 A0	19860806	GB19860015930	19860630
IE59378 B	19940223	IE19860001812	19860704
IE861812 L	19870105	IE19860001812	19860704
US4657594 A	19870414	US19850752268	19850705

Priority:

US19850752268 19850705 CA19860510085 19860527

Probable Assignee: USG A CORP OF DE CORP

Assignee(s): (std): UNITED STATES GYPSUM CO ; US GYBSUM CO ; USG CORP

Assignee(s): USG A CORP OF DE CORP ; STRUSS ARTHUR W ; U S G CORP ; UNITED STATES GYBSUM CO

Inventor(s): (std): STRUSS ARTHUR W ; STRUSS ARTHUR WILLIAM

Inventor(s): ARTHUR W STRUSS ; ARTHUR WILLIAM STRUSS

Agent(s): GRIFFITH HACK; MACRAE AND CO

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

43) Family number: 46804832 (US2012031555A)

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Title: PLASTERBOARD JOINTING SYSTEM

Abstract: The present invention provides a system of jointing and finishing plasterboard sheets. The system comprises adjacently abutted first and second plasterboard sheets and a connective material. The connective material is applied to a region at or near the side edge portions of the first and second plasterboard sheets and which securely joins the side edge portion of the first plasterboard sheet to the side edge portion of the second plasterboard sheet. There is also provided a joint filling compound and a finishing compound, which are optionally also applied to the region of the first and second plasterboard sheets.

Classifications:

International (IPC 8-9): A61F13/04 B32B37/02 B32B37/12 B32B37/14 C04B11/02 C04B14/22 C04B22/16 C04B28/14 E04B2/00 E04B2/10 E04F13/04 (Advanced/Invention);

C04B111/00 C04B111/34 (Advanced/Non-invention);

A61F13/04 C04B11/00 C04B14/02 C04B22/00 E04B2/00

E04F13/02 (Core/Invention)

CPC: E04F13/042 C04B28/146 C04B2111/00482 C04B2111/00672

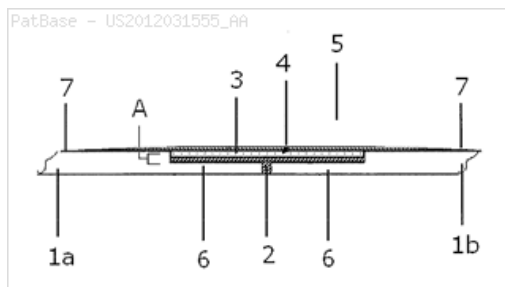
C04B2111/34 E04F13/04

European: C04B28/14H2 E04F13/04 M04B111/00T10B

M04B111/00T2 M04B111/34

US: 156/304.1 156/304.100P 156/304.3 156/304.5 156/349

156/349S 156/71 52/417 52/461 52/471



Family:

Publication number	Publication date	Application number	Application date
AU2010220805 AA	20100910	AU20100220805	20100223
AU2017204076 AA	20170706	AU20170204076	20170616
AU2017204076 BB	20190214	AU20170204076	20170616
CA2754259 AA	20100910	CA20102754259	20100223
EP2404004 A1	20120111	EP20100748221	20100223
EP2404004 A4	20160608	EP20100748221	20100223
NZ595438 A	20130222	NZ20100595438	20100223
US2012031555 AA	20120209	US20110225010	20110902
US8257526 BB	20120904	US20110225010	20110902
WO10099563 A1	20100910	WO2010AU00202	20100223

Priority:

AU20090900976 20090305 AU20090902195 20090515 AU20090906138 20091217
WO2010AU00202 20100223 AU20100220805 20100223 AU20170204076 20170616

Probable Assignee: CSR BUILDING PRODUCTS LTD

Assignee(s): (std): CSR BUILDING PRODUCTS LTD ; GALE EDWARD ; LAVENDER DOUG ; THOMPSON BILL

Assignee(s): CSR BUILDING PRODUCTS LIMITED

Inventor(s): (std): THOMPSON BILL ; LAVENDER DOUG ; GALE EDWARD ; EDWARD GALE ; DOUG LAVENDER ; BILL THOMPSON

Agent(s): HODGKINSON MCINNES PATENTS; IP SOLVED ANZ PTY LTD; GOWLING LAFLEUR HENDERSON LLP; VALEA AB

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

44) Family number: 32216858 (US2005193668A)

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Title: DRYWALL JOINT CONSTRUCTION AND METHOD

Abstract: A drywall joint construction and method consisting essentially of abutting drywall boards having a lengthwise crack therebetween and a joint finishing system formed within the crack to complete the drywall joint construction such that a flexible layer defines the joint's center-line surface. Where the edges of the drywall boards are tapered, the resulting channel is filled with a taping compound and a tape forms the flexible layer covering the taping compound so as to flush the joint finishing system with the drywall boards. Where the drywall boards are non-tapered, the resulting slit therebetween may be filled with taping compound and a tape may again form the flexible layer covering the taping compound and flushing the joint finishing system with the abutting drywall boards, or the slit may be filled with a flexible compound that also forms the flexible layer and flushes the joint finishing system with the drywall boards.

Classifications:

International (IPC 8-9): E04B2/00 E04C2/34 (Advanced/Invention);
E04B2/00 E04C2/34 (Core/Invention)

International (IPC 1-7): E04B2/00

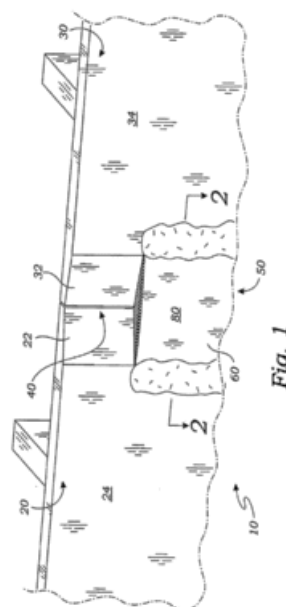
CPC: E04F13/042 E04F13/0891 E04F13/04

European: E04F13/04

US: 52/371 52/698 52/742.16

PatBase - US2005193668_AA

Patent Application Publication Sep. 8, 2005 Sheet 1 of 5 US 2005/0193668 A1



Family:

Publication number	Publication date	Application number	Application date
US2005193668 AA	20050908	US20040784091	20040223
US2008245026 AA	20081009	US20080135143	20080606

Priority:

US20040784091 20040223 US20080135143 20080606

Probable Assignee: HAMILTON COATINGS LLC

Assignee(s): (std): HAMILTON COATINGS LLC ; HAMILTON KURT

Inventor(s): (std): HAMILTON KURT

Agent(s): MIND LAW FIRM; JEROME V SARTAIN MIND LAW FIRM

45) Family number: 43192894 (US2009111909A)

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Title: SPRAYABLE SURFACE REPAIR COMPOUND

Abstract: A sprayable surface repair compound is described including a filler, a diluent or diluents, a viscosity builder, a thickener, a film former, a functional extender, and a propellant.

Classifications:

International (IPC 8-9): C04B28/00 C09D101/00 C09D5/02 C09D5/14 C09D5/34 C09D5/36 (Advanced/Invention);
C04B28/00 C09D101/00 C09D5/02 C09D5/14 C09D5/34 C09D5/36 (Core/Invention)

CPC: C04B26/04 C04B2111/00146 C04B2111/00155 C04B2111/00663 C09D5/021 C09D5/34

European: C09D5/02A C09D5/34

US: 523/122 524/425

Family:

Publication number	Publication date	Application number	Application date
CA2641234 AA	20090423	CA20082641234	20081020
EP2053096 A2	20090429	EP20080167368	20081023
EP2053096 A3	20091202	EP20080167368	20081023
US2009111909 AA	20090430	US20080256649	20081023

Priority:

Probable Assignee: JIG A WORLD INC**Assignee(s):** (std): JIG A WORLD INC**Assignee(s):** K G PACKAGING INC**Inventor(s):** (std): MATTHEWS HOWARD**Agent(s):** HATZMANN MARTIN; TAROLLI SUNDHEIM COVELL AND TUMMINO LLP**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR**46) Family number: 34181911** (JP2006348618A)

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Title: THERMAL INSULATING MATERIAL AND ITS APPLICATION METHOD

Abstract: PROBLEM TO BE SOLVED: To provide a thermal insulating material having a waterproofing effect and adhesion property. SOLUTION: The thermal insulating material exhibits a thermal insulating effect, the waterproofing effect and a heat insulation effect by applying a thermal insulating material obtained by mixing a hollow bead such as a ceramic bead, a fly-ash and a plastic bead or the like with an acrylic resin or the like as a binder on an external wall such as a building or the like, and it can be used as an adhesive.

Classifications:**International (IPC 8-9):** C09D133/00 C09D7/12 C09J11/00

C09J133/00 C09J5/00 E04B1/76 (Advanced/Invention);

C09D133/00 C09D7/12 C09J11/00 C09J133/00 C09J5/00

E04B1/76 (Core/Invention)

CPC: Y02W30/92 C04B26/06 C04B211/28**European:** C04B26/06 M04B111/28

PatBase - JP2006348618_A2

(6)

特開2006-348618(2006-348618A)

【発明】（以下、本発明）は、例えば、コンクリート、陶器コンクリート、木材、瓦、スレート、サイディング、レンガ、タイル、アルミ、ステンレス、ブロッコ、石炭灰等であってよい。また、様々な色の顔料を混ぜることによって着色していることもできる。

【発明の構成】

【図1】本発明にかかる断熱材を断面に示した様子を示す。

【図2】従来の断熱材の断面と本発明の断熱材の断面とを比較する図である。

【図3】本発明の断熱材

【図4】

1 断熱材

10 内部下地

11 断熱材またはタイル用接着剤

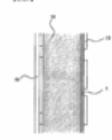
12 タイル

13 断熱シート

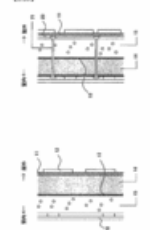
14 コンクリート（ALC）

15 断熱材

【図1】



【図2】

**Family:**

Publication number	Publication date	Application number	Application date
JP2006348618 A2	20061228	JP20050177194	20050617

Priority:

JP20050177194 20050617

Probable Assignee:

KAWATE HIROSHI

Assignee(s): (std):

KAWATE HIROSHI

Inventor(s): (std):

KAWATE HIROSHI

Agent(s):

OSUGA YOSHIYUKI

47) Family number: 53486916 (US2014349104A)

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Title: INORGANIC POLYMER/ORGANIC POLYMER COMPOSITES AND METHODS OF MAKING SAME

Abstract: Inorganic polymer/organic polymer composites and methods for their preparation are described herein. The inorganic polymer/organic polymer composites comprise a first layer comprising an inorganic polymer and a second layer adhered to the first layer comprising an organic polymer. The inorganic polymer is formed by reacting, in the presence of water, a reactive powder, an activator, and optionally a retardant. The reactive powder comprises 85 percent by weight or greater fly ash and less than 10 percent by weight portland cement. Also described herein are building materials including the composites.

Classifications:**International (IPC 8-9):** B05D7/00 B28B1/16 B32B13/12 B32B18/00 B32B27/06 B32B27/40 B32B5/18 C04B18/08

C04B22/06 C04B24/04 C04B28/00 (Advanced/Invention);

C04B103/10 C04B111/00 (Advanced/Non-invention)

CPC: C04B18/08 B05D7/52 C04B24/04 C04B22/06 B32B2250/02 B32B2250/24 B32B2375/00 C04B2103/10 B32B13/12

B32B27/40 B32B2419/00 B32B5/18 B32B2266/0278 B32B2607/00 C04B28/00 C04B2111/00612 Y02P40/165 Y02W30/92

C04B7/02 C04B20/002 C04B20/0048 C04B24/06 Y10T428/24999 Y10T428/31598

US: 427/403 428/319.1 428/425.5 428/446**Family:**

Publication number	Publication date	Application number	Application date
AU2012318528 AA	20130411	AU20120318528	20121005
CA2851349 AA	20140407	CA20122851349	20121005
EP2763847 A1	20140813	EP20120838478	20121005
EP2763847 A4	20150819	EP20120838478	20121005
US2014349104 AA	20141127	US20120345508	20121005
US9745224 BB	20170829	US20120345508	20121005
WO13052732 A1	20130411	WO2012US58852	20121005

Priority:

US20110544474P 20111007 US20120345508 20121005 WO2012US58852 20121005

Probable Assignee: BORAL IP HOLDINGS AUSTRALIA PTY LTD

Assignee(s): (std): BORAL IND INC ; BORAL IP HOLDINGS AUSTRALIA PTY LTD ; MAJORS RUSS ; HILL RUSSELL L

Assignee(s): BORAL MATERIAL TECHNOLOGIES INC ; BORAL MATERIALS TECHNOLOGIES INC ; BORAL IP HOLDINGS LLC ; BORAL INDUSTRIES INC ; BORAL IP HOLDING LLC

Inventor(s): (std): HILL RUSSELL L ; MAJORS RUSS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MARKS AND CLERK; KLING SIMONE; MEUNIER CARLIN AND CURFMAN LLC; DAVIS KIMBERLYNN B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN 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 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

48) Family number: 41901918 (JP2008105933A)

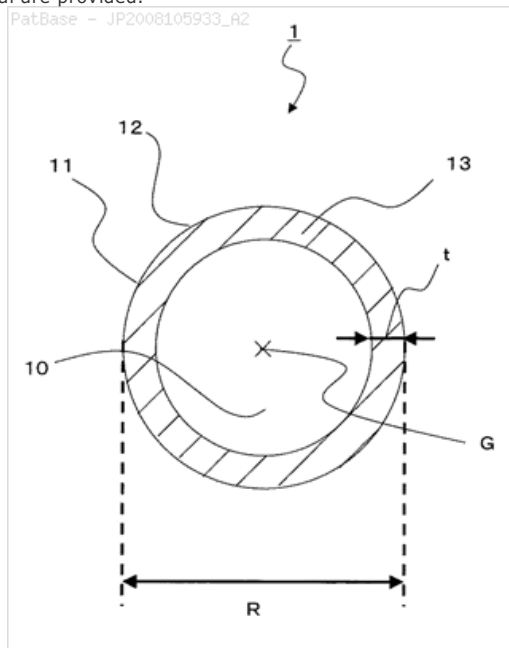
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Title: HOLLOW BODY, BUOYANCY MATERIAL, SUBMERGING APPARATUS AND BUOY FOR MOLTEN METAL

Abstract: PROBLEM TO BE SOLVED: To solve a problem that cracks is easily developed from a breaking start point of the outer surface to easily cause breaking by receiving mechanical impact from the outside and the impact strength is decreased because the crack is easily developed from the crack starting point of the outer surface by receiving mechanical impact from the outer surface when the compressive stress in the direction vertical to the thickness direction of the outer surface of the ceramic hollow body is low. SOLUTION: The ceramic hollow body 1 is a ceramic hollow body 1 having a closed space 10 inside and the open porosity in the outer surface 12 is higher than that in the inner surface 11 in contact with the closed space 10. As a result the hollow body having high impact strength and the buoy material using the same are provided and further excellent submerging apparatus and the buoy for molten metal are provided.

Classifications:

International (IPC 8-9): B63B35/00 B63B5/00 C04B35/00
C04B35/10 C04B35/584 (Advanced/Invention);
B28B1/28 (Advanced/Non-invention);
B63B35/00 B63B5/00 C04B35/00 C04B35/10
C04B35/584 (Core/Invention);
B28B1/26 (Core/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
JP2008105933 A2	20080508	JP20070252193	20070927

Priority:

JP20060264011 20060928 JP20070252193 20070927

Probable Assignee: KYOCERA CORP

Assignee(s): (std): KYOCERA CORP

Inventor(s): (std): OKAWA YOSHIHIRO ; OKUMURA MASAHIRO

49) Family number: 14923966 (US6531528B)

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Title: READY TO USE SPACKLE/REPAIR PRODUCT CONTAINING DRYNESS INDICATOR

Abstract: A ready to use patch repair product is disclosed that includes a color change indicator therein. After the product has dried the color changes to signal that, if desired, the worker can perform other operations such as painting, sanding, etc

on the surface. In one aspect of the invention, a substantially ammonia and ammonium salt free latex polymer is used as the resin binder component. This provides enhanced color stability in the stored product.

Classifications:

International (IPC 8-9): C04B26/06 C04B40/00 C08K5/09 C08L33/10 C09D7/00 C09D7/41 G01N31/22

G01N33/38 (Advanced/Invention)

International (IPC 1-7): C04B0/00 C04B26/06 C04B40/00 C08K3/00 C08K5/09 C08L33/10 C09D7/00 G01N31/22 G01N33/38

CPC: C09D7/41 C09D5/29 C04B26/06 C04B40/0096 C04B2111/00112 C04B2111/00672 C04B2111/72 C09D7/00

European: C04B26/06 C04B40/00Z C09D5/29 C09D7/00 C09D7/00P M04B111/00M10 M04B111/00T10B M04B111/72

US: 524/291 524/323 524/324

Family:

Publication number	Publication date	Application number	Application date	
AR025158 AA	20021113	AR2000P102143	20000504	
AT514741 E	20110715	AT20000932058T	20000504	
BRPI0010311 A	20030722	BR2000PI10311	20000504	
BRPI0010311 B1	20110322	BR2000PI10311	20000504	
CA2373109 AA	20011102	CA20002373109	20000504	
CA2373109 C	20101130	CA20002373109	20000504	
CL2000001113 A1	20010205	CL20000001113	20000505	
CL47805 B	20110722	CL20000001113	20000505	
CN100365047 C	20080130	CN20008008876	20000504	
CN1531572 A	20040922	CN20008008876	20000504	
DE60046141 D1	20110818	DE20006046141	20000504	
EP1427775 A2	20040616	EP20000932058	20000504	
EP1427775 A4	20060517	EP20000932058	20000504	
EP1427775 B1	20110629	EP20000932058	20000504	
ES2368900 T3	20111123	ES20000932058T	20000504	
MXPA01011215 A1	20020812	MX2001PA11215	20000504	
US6531528 BA	20030311	US20020980613	20020402	
WO0066508 A2	20001109	WO2000US12147	20000504	
WO0066508 A3	20040415	WO2000US12147	20000504	

Priority:

US19990132553P 19990505 US19990136175P 19990527 EP20000932058 20000504
WO2000US12147 20000504 US20020980613 20020402

Probable Assignee: DAP PRODUCTS INC

Assignee(s): (std): DAP PRODUCTS INC ; KURP RONALD D

Assignee(s): DAP PRODUCTS INC BALTIMORE

Inventor(s): (std): KURP R D ; KURP RONALD ; KURP RONALD D

Inventor(s): KURP RONALD D BEL AIR ; RD KURP ; RONALD D KURP ; R D KURP

Agent(s): GOWLING LAFLEUR HENDERSON LLP; ALESSANDRI; BOETERS AND LIECK; BANKES STEPHEN CHARLES DIGBY

Designated states: AT BE BR CA CH CN CY DE DK ES FI FR GB GR IE IT LI LU MC MX NL PT SE US