

Title (en)  
COATED GYPSUM BOARD PRODUCTS AND METHOD OF MANUFACTURE

Title (de)  
BESCHICHTETE GIPSPLATTENPRODUKTE UND HERSTELLUNGSVERFAHREN

Title (fr)  
PLAQUES DE PLATRE REVETUES ET PROCEDE DE FABRICATION

Publication  
**EP 1358052 A4 20071024 (EN)**

Application  
**EP 02713458 A 20020125**

Priority  
• US 0202106 W 20020125  
• US 26406801 P 20010126

Abstract (en)  
[origin: WO02058902A2] A gypsum board is coated with a coating (32) during the manufacturing process to form a coated gypsum board. Coatings are applied to wet gypsum boards before being dried (325) in the oven and coating penetrates through at least a portion of the facing sheet and into the gypsum core of the gypsum board. Rapid coating compositions allow faster installation; quick setting compositions provide for more durable finishes. Either coating may be made lightweight by addition of perlite and may have enhanced finish appearance by incorporating pigments. A coated gypsum board can be fastened to a support structure to form a wall and the seams between adjacent coated gypsum boards can be taped and finished using a joint compound having a composition substantially similar to the composition of the coating. Overall, the resulting coated gypsum board and the method used to produce it help to improve final finish appearance and to reduce manufacturing time and costs.

IPC 8 full level  
**B28B 1/00** (2006.01); **B28B 1/16** (2006.01); **B28B 1/30** (2006.01); **B28B 11/04** (2006.01); **B32B 5/16** (2006.01); **C04B 26/02** (2006.01); **C04B 28/14** (2006.01); **C04B 41/45** (2006.01); **C04B 41/61** (2006.01)

CPC (source: EP KR)  
**B28B 11/04** (2013.01 - EP); **B32B 5/16** (2013.01 - KR); **C04B 26/02** (2013.01 - EP); **C04B 28/145** (2013.01 - EP); **C04B 41/009** (2013.01 - EP); **C04B 41/4578** (2013.01 - EP); **C04B 41/61** (2013.01 - EP); **C04B 2111/00482** (2013.01 - EP); **C04B 2111/00577** (2013.01 - EP); **C04B 2111/0062** (2013.01 - EP)

Citation (search report)  
• [X] DD 142872 A1 19800716 - KRAEMER GEORG, et al  
• [X] CH 179377 A 19350915 - GIPS UNION A G [CH]  
• [X] DE 1009387 B 19570529 - FRISALIT WERKE G M B H  
• [X] DATABASE WPI Week 198338, Derwent World Patents Index; AN 1983-767654, XP002450795  
• See references of WO 02058902A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)  
RO

DOCDB simple family (publication)  
**WO 02058902 A2 20020801**; **WO 02058902 A3 20020919**; AU 2002245308 B2 20060406; BR 0206941 A 20040225; CA 2435574 A1 20020801; CN 1317123 C 20070523; CN 1498161 A 20040519; EP 1358052 A2 20031105; EP 1358052 A4 20071024; IL 156937 A0 20040208; JP 2004520966 A 20040715; KR 100842847 B1 20080702; KR 20030082575 A 20031022; MX PA03006599 A 20041015; NO 20033319 D0 20030723; NO 20033319 L 20030926; NZ 527112 A 20040326; PL 363475 A1 20041115; RU 2003125961 A 20050220; RU 2280560 C2 20060727; UA 76975 C2 20061016; ZA 200305485 B 20040623

DOCDB simple family (application)  
**US 0202106 W 20020125**; AU 2002245308 A 20020125; BR 0206941 A 20020125; CA 2435574 A 20020125; CN 02804155 A 20020125; EP 02713458 A 20020125; IL 15693702 A 20020125; JP 2002559220 A 20020125; KR 20037009895 A 20030725; MX PA03006599 A 20020125; NO 20033319 A 20030723; NZ 52711202 A 20020125; PL 36347502 A 20020125; RU 2003125961 A 20020125; UA 2003087997 A 20020125; ZA 200305485 A 20030716