



(51) International Patent Classification:

C04B 28/14 (2006.01) C04B 111/28 (2006.01)  
C04B 22/08 (2006.01) C04B 111/34 (2006.01)

(21) International Application Number:

PCT/EP2015/076787

(22) International Filing Date:

17 November 2015 (17.11.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1420767.4 21 November 2014 (21.11.2014) GB

(71) Applicant: SAINT-GOBAIN PLACO [FR/FR]; 34 Avenue Franklin Roosevelt, F-92150 Suresnes (FR).

(72) Inventors: BROOKS, Laura; BPB United Kingdom Ltd, Technical Centre, East Leake, Loughborough Leicestershire LE12 6JT (GB). FISHER, Robin; BPB United Kingdom Ltd, Technical Building, East Leake, Loughborough Leicestershire LE12 6JT (GB). RIDEOUT, Jan; BPB United Kingdom Ltd, Technical Centre, East Leake, Loughborough Leicestershire LE12 6JT (GB).

(74) Agents: OXLEY, Rachel et al.; Mewburn Ellis LLP, City Tower, 40 Basinghall Street, London Greater London EC2V 5DE (GB).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

(54) Title: FIRE RESISTANT CALCIUM SULPHATE-BASED PRODUCTS

(57) Abstract: The present invention provides a calcium sulphate-based product (e.g. a wall board) comprising gypsum, a pozzolan source such as a clay additive, rice husk ash or diatomaceous earth and a metal salt additive. The product may be produced by drying an aqueous slurry comprising calcined gypsum, the pozzolan source and the metal salt additive. The clay additive may be a kaolinitic clay. The metal salt additive may be a magnesium salt e.g. magnesium nitrate, magnesium chloride or magnesium hydroxide.

