

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 March 2007 (22.03.2007)

PCT

(10) International Publication Number
WO 2007/031869 A1

(51) International Patent Classification:

C01F 11/18 (2006.01) **C09C 3/04** (2006.01)
C09C 1/02 (2006.01) **D21H 19/38** (2006.01)

(21) International Application Number:

PCT/IB2006/002649

(22) International Filing Date:

12 September 2006 (12.09.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

05077111.2 16 September 2005 (16.09.2005) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ECONOMICAL PROCESS OF MANUFACTURING VERY FINE CO-GROUND CALCIUM CARBONATE MATERIAL OF THE GCC AND PCC TYPE, OBTAINED PRODUCTS AND THEIR USES

(57) Abstract: An object of the present invention is to provide a process to obtain a calcium carbonate material comprising GCC and PCC, presenting a fraction of particles finer than 1 µm of greater than 80%, preferably of greater than 85%, more preferably of greater than 90%, and even more preferably of greater than 95%, and a specific surface area of less than 25 m²/g, in a cost efficient manner, wherein GCC and PCC are co-ground, possibly with at least another mineral material. An other object of the present invention lies in the co-ground calcium carbonate material in the form of an aqueous suspension and in the form of a dry product. An other object of the present invention lies in the uses of such products in any sector making use of mineral material, and notably in the paper, paint and plastic industries.



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