



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C04B 7/32	A1	(11) International Publication Number: WO 00/00447 (43) International Publication Date: 6 January 2000 (06.01.00)
(21) International Application Number: PCT/IB99/01218 (22) International Filing Date: 29 June 1999 (29.06.99) (30) Priority Data: 98890191.4 30 June 1998 (30.06.98) EP (71)(72) Applicant and Inventor: KO, Suz-Chung [-/CH]; Kiburg- ergasse 10A, CH-5600 Lenzburg (CH). (74) Agent: HAFFNER, Thomas, M.; Schottengasse 3a, A-1014 Vienna (AT).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: ALKALI ACTIVATED SUPERSULPHATED BINDER		
(57) Abstract		
The invention describes an activated supersulphated aluminosilicate binder containing aluminosilicates, calcium sulphate and an activator containing alkali metal salts, wherein the aluminosilicates are selected from the group consisting of blast furnace slag, clay, marl and industrial by-products such as fly ash with the proviso that the Al₂O₃ content is greater than 5 % by weight, wherein blast furnace slag is present in an amount exceeding 35 % by weight and clay, marl and/or fly ash is present in an amount exceeding 5 % per weight and wherein cement kiln dust in an amount of from 3 to 10 % by weight is added to the mixture as an activator and calcium sulphate is used in an amount exceeding 5 % by weight.		