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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C04B 40/06, 20/10	A1	(11) International Publication Number: WO 98/25865 (43) International Publication Date: 18 June 1998 (18.06.98)
(21) International Application Number: PCT/CA97/00943 (22) International Filing Date: 9 December 1997 (09.12.97) (30) Priority Data: 08/763,088 10 December 1996 (10.12.96) US (71) Applicant: FORDING COAL LIMITED [AU/CA]; #200, 205 - 9th Avenue S.E., Calgary, Alberta T2G 0R4 (CA). (72) Inventors: MCKENNY, Colin, J.; 48 Granlea Place S.W., Calgary, Alberta T3E 4K2 (CA). PILDYSH, Mikhail; 30 Douglasbank Drive S.E., Calgary, Alberta T2Z 2B7 (CA). SHYLUK, Donald, J.; 218 Lake Erie Place S.E., Calgary, Alberta T2J 2L5 (CA). (74) Agent: KUHARCHUK, Terrence, N.; Field Atkinson Perraton, 2000 Oxford Tower, 10235 - 101 Street, Edmonton, Alberta T5J 3G1 (CA).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, 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, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> 22 28
(54) Title: SURFACE TREATED ADDITIVE FOR PORTLAND CEMENT CONCRETE		
(57) Abstract The invention is directed at an additive for incorporation into a cementitious compound comprising Portland cement and water prior to the setting of the compound. The additive is comprised of a surface treated additive wherein the surfaces of the additive are treated with a substance which has a transient hydrophobic effect on the additive, which effect temporarily renders the additive more hydrophobic for a time period following the incorporation of the additive into the compound such that the water comprising the compound is less attracted to the additive during the placement of the compound and is thus available to provide workability to the compound, and such that the additive regains its natural properties following placement of the compound in order to permit the additive to participate with the compound during the curing of the compound. The invention is also directed at a process for preparing the additive and a process for preparing a cementitious compound comprised of the additive.		