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(21) International Application Number: ✓ PCT/GB98/00462 (22) International Filing Date: ✓ 12 February 1998 (12.02.98) (30) Priority Data: ✓ 9703167.8 ✓ 15 February 1997 (15.02.97) GB (71) Applicant (for all designated States except US): FOSROC INTERNATIONAL LIMITED [GB/GB]; Burnah Castrol House, Pipers Way, Swindon, Wiltshire SN3 1RE (GB). ✓ (72) Inventor; and (75) Inventor/Applicant (for US only): MILLER, John, B. [GB/NO]; Bergtøvn 9B, N-1087 Oslo 10 (NO). ✓ (74) Agent: VAN WIJK, Alexander, Pieter; Burnah Castrol Trading Limited, Group Patents Dept., Burnah Castrol House, Pipers Way, Swindon, Wiltshire SN3 1RE (GB).		(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, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MR 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 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>
(54) Title: A PROCESS FOR THE ELECTROCHEMICAL TREATMENT OF CONCRETE ✓ (57) Abstract An electrochemical process for the removal of chloride ions from reinforced concrete which comprises: passing a direct current between (i) an anode in electrical contact with an adherent coating containing a water retaining adhesive material and an aqueous electrolyte applied to an external surface of the concrete and (ii) a cathode which is located internally in the concrete, which processes causes chloride ions to migrate to the anode and wherein to reduce the production of chlorine gas, the coating contains, as a chlorine scavenger, solid calcium hydroxide or barium hydroxide or mixtures thereof the chlorine scavenger being present in an amount of at least 8 %, preferably 20 to 50 %, by weight based on the dry weight of the water retaining material.		