

0702811-2

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G21F 9/00, 9/22, 9/28	A1	(11) International Publication Number: WO 96/19812 (43) International Publication Date: 27 June 1996 (27.06.96)
(21) International Application Number: PCT/GB95/02919 (22) International Filing Date: 14 December 1995 (14.12.95) (30) Priority Data: 9426023.9 / 22 December 1994 (22.12.94) GB (71) Applicant (for all designated States except US): BRADTEC LIMITED [GB/GB]; Coldharbour Lane, Bristol BS16 1QY (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BRADBURY, David [GB/GB]; Pencot, Tresham, Wotton-Under-Edge, Gloucester GL12 7RW (GB). ELDER, George, Richard [GB/GB]; Courtlea, Northwood Green, Westbury-on-Severn, Gloucester GL12 1ND (GB). (74) Agent: BOULT WADE TENNANT; 27 Fumival Street, London EC4A 1PQ (GB).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published With international search report.
(54) Title: PROCESS FOR DECONTAMINATING RADIOACTIVE MATERIALS (57) Abstract A process for the decontamination of radioactive materials which process comprises the steps of: i) contacting the material to be decontaminated with a dilute carbonate containing solution in the presence of ion exchange particles which either contain or have a chelating function bound to them; and ii) separating the ion exchange particles from the dilute carbonate containing solution. The radioactive materials which are treated may be natural materials, such as soil, or man-made materials such as concrete or steel, which have been subjected to contamination.		