

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 April 2001 (19.04.2001)

PCT

(10) International Publication Number
WO 01/27057 A1

- (51) International Patent Classification⁷: C07C 17/389
- (21) International Application Number: PCT/US00/27789
- (22) International Filing Date: 6 October 2000 (06.10.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/158,535 8 October 1999 (08.10.1999) US
09/678,861 2 October 2000 (02.10.2000) US
- (71) Applicant: ALLIEDSIGNAL INC. [US/US]; 101 Columbia Avenue, P.O. Box 2245, Morristown, NJ 07960 (US).
- (72) Inventors: COOK, Kane, David; Eggertsville, NY 14226 (US). LOGSDON, Peter, Brian; Orchard Park, NY 14127 (US). SWAIN, Charles, Francis; Williamsville, NY 14221 (US).
- (74) Agents: CRISS, Roger, H. et al.; AlliedSignal Inc., 101 Columbia Avenue, P.O. Box 2245, Morristown, NJ 07960 (US).
- (81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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:**
— *With international search report.*
- 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: SEPARATION OF HALOGENATED COMPOUNDS

(57) Abstract: A process for removing a chlorinated methane impurity from a stream comprising of halogenated compound other than the chlorinated methane impurity, the process comprising contacting the stream with a polymer adsorbent to produce a purified product stream, the polymer adsorbent having a pore size distribution characterized by a higher cumulative porosity as a function of the log of pore diameter than that of activated carbon.

WO 01/27057 A1