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(21) International Application Number: PCT/US96/08221 (22) International Filing Date: 31 May 1996 (31.05.96) (30) Priority Data: 08/466,096 / 6 June 1995 (06.06.95) / US (71) Applicant: HAMPSHIRE CHEMICAL CORP. [US/US]; 55 Hayden Avenue, Lexington, MA 02173 (US). (72) Inventors: O'NEILL, Gerald, J.; 70 Ridge Street, Arlington, MA 02174 (US). BULKA, Robert, J.; 9 Hutchinson Road, Merrimack, NH 03054 (US). (74) Agents: LEMACK, Kevin, S. et al.; Nields & Lemack, Suite 8, 176 E. Main Street, Westboro, MA 01581 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BE, 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, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), 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>
(54) Title: PURIFICATION OF FLUORINATED DIMETHYL ETHERS (57) Abstract A process for the purification of bis(difluoromethyl)ether. Bis(difluoromethyl)ether is exposed to molecular sieves in order to reduce or completely remove impurities. In a further embodiment, the present invention optionally includes means for preferentially inhibiting the formation of $\text{CF}_2\text{HOCCl}_3$ in the formation of bis(difluoromethyl)ether prior to exposing the bis(difluoromethyl)ether to the molecular sieves.		