



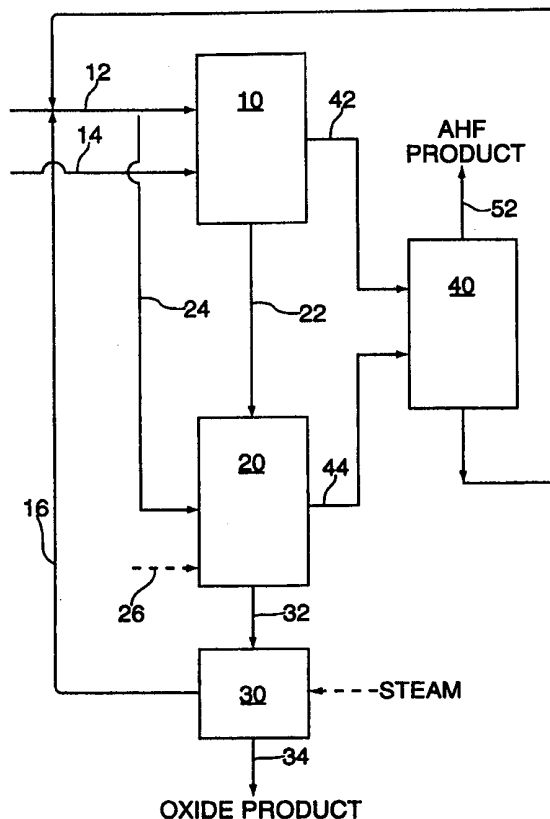
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(21) International Application Number: PCT/US99/01044 (22) International Filing Date: 18 January 1999 (18.01.99) (30) Priority Data: 09/008,123 16 January 1998 (16.01.98) US (71) Applicant: ALLIEDSIGNAL INC. [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US). (72) Inventors: HAGE, Daniel; 775 Highland Church Road, Paducah, KY 42001 (US). MERKEL, Daniel, Christopher; 64 Glenmar Drive, West Seneca, NY 14224 (US). HULSEY, Felton; 212 Baker Drive, Metropolis, IL 62960 (US). (74) Agents: CRISS, Roger, H. et al.; AlliedSignal Inc., Law Dept. (R. Fels), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).			(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, IN, 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, 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 <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> (88) Date of publication of the international search report: 16 September 1999 (16.09.99)

(54) Title: PROCESS FOR RECOVERING ANHYDROUS HYDROGEN FLUORIDE FROM URANIUM HEXAFLUORIDE

(57) Abstract

The invention relates to a two-stage method for recovering products; anhydrous hydrogen fluoride (52) and uranium oxides (34), particularly triuranium octoxide, from the defluorination of uranium hexafluoride (14) and similar feedstocks which involves treating uranium oxide hydrate intermediate in the second stage (reaction zone) (20) with HF/water azeotrope and/or hydrogen.



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INTERNATIONAL SEARCH REPORT

In tional Application No

PCT/US 99/01044

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C01B7/19 C01G43/01 C01G43/025

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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IPC 6 C01B C01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97 46483 A (ALLIED SIGNAL INC) 11 December 1997 (1997-12-11) cited in the application the whole document ---	1-13
Y	US 5 346 684 A (MESTEPEY JAMES H) 13 September 1994 (1994-09-13) cited in the application the whole document -----	1-13

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INTERNATIONAL SEARCH REPORT

Information on patent family members

In: tional Application No

PCT/US 99/01044

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