Title (en)

METHOD AND DEVICE FOR PROCESSING OILS AND SOLVENTS CONTAMINATED BY RADIOACTIVE SUBSTANCES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON MIT RADIOAKTIVEN SUBSTANZEN KONTAMINIERTEN ÖLEN UND LÖSEMITTELN

Title (fr)

PROCEDE ET DISPOSITIF POUR TRAITER DES HUILES ET SOLVANTS CONTAMINES PAR DES SUBSTANCES RADIOACTIVES

Publication

EP 0808504 B1 19990519 (FR)

Application

EP 96904124 A 19960212

Priority

- FR 9600225 W 19960212
- FR 9501581 A 19950210

Abstract (en)

[origin: WO9624937A1] The process includes the following steps: a) a predetermined volume of water is provided which has predetermined characteristics as to the content of dissolved oxygen, pH and REDOX potential; b) to said water volume is added a predetermined charge of oils and solvents contaminated by radioactive substances, said charge corresponding to a volume of oils and solvents which is a predetermined fraction of the predetermined water volume; c) said charge is subjected to the action of micro-organisms at a predetermined temperature and duration; d) at least part of the effluent obtained is taken; e) the water is separated from the materials contained in such effluent; f) the materials separated from said water are recycled or evacuated; g) the water free of materials contained in the effluent is regenerated so that it recovers said predetermined characteristics; h) at least part of said regenerated water is recycled; i) the cycle from the step a) is repeated.

IPC 1-7

G21F 9/18; C09K 3/32

IPC 8 full level

C09K 3/32 (2006.01); **G21F 9/06** (2006.01); **G21F 9/10** (2006.01); **G21F 9/12** (2006.01); **G21F 9/18** (2006.01)

CPC (source: EP KR US)

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FR 9600225 W 19960212; AU 4833896 A 19960212; BG 10181997 A 19970806; BR 9607727 A 19960212; CA 2211104 A 19960212; CN 96191883 A 19960212; CZ 243297 A 19960212; DE 69602520 T 19960212; EA 199700094 A 19960212; EP 96904124 A 19960212; ES 96904124 T 19960212; FI 973070 A 19970718; FR 9501581 A 19950210; HU P9801212 A 19960212; JP 52404996 A 19960212; KR 19970705491 A 19970808; MX 9706099 A 19960212; SK 104497 A 19960212; UA 97084143 A 19960212; US 87579297 A 19970804