

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

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CPC (source: EP KR US)

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WO 9624937 A1 19960815; AU 4833896 A 19960827; BG 101819 A 19980731; BG 63354 B1 20011031; BR 9607727 A 19980714; CA 2211104 A1 19960815; CA 2211104 C 20011009; CN 1173946 A 19980218; CZ 243297 A3 19980114; CZ 293133 B6 20040218; DE 69602520 D1 19990624; DE 69602520 T2 19991007; EA 000170 B1 19981029; EA 199700094 A1 19980226; EP 0808504 A1 19971126; EP 0808504 B1 19990519; ES 2134593 T3 19991001; FI 973070 A0 19970718; FI 973070 A 19971010; FR 2730584 A1 19960814; FR 2730584 B1 19970425; HU P9801212 A2 19980928; HU P9801212 A3 20011029; JP 2000515622 A 20001121; JP 3256240 B2 20020212; KR 100301228 B1 20010903; KR 19980702096 A 19980715; MX 9706099 A 19971031; SK 104497 A3 19980304; SK 283180 B6 20030304; UA 41438 C2 20010917; US 5948259 A 19990907

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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