

Title (en)

HYDROUS PYROLYSIS/OXIDATION PROCESS FOR IN SITU DESTRUCTION OF HYDROCARBON CONTAMINANTS

Title (de)

WÄSSERIGES PYROLYSE-/OXIDATIONSVERFAHREN ZUR IN-SITU VERNICHTUNG VON KOHLENWASSERSTOFFVERUNREINIGUNGEN

Title (fr)

PROCEDE DE PYROLYSE HYDRIQUE/OXYDATION DESTINE A DETRUIRE IN SITU DES CONTAMINANTS HYDROCARBURES

Publication

**EP 0877639 A4 19991006 (EN)**

Application

**EP 96932996 A 19960912**

Priority

- US 9614584 W 19960912
- US 154195 P 19950914

Abstract (en)

[origin: WO9710030A1] In situ hydrous pyrolysis/oxidation process is useful for in situ degradation of hydrocarbon water (20) and soil contaminants. Fuel hydrocarbons, chlorinated hydrocarbons, polycyclic aromatic hydrocarbons, petroleum distillates and other organic contaminants present in the soil and water (20) are degraded by the process involving hydrous pyrolysis/oxidation into non-toxic products of the degradation. The process uses heat which is distributed through soils and water (20), optionally combined with oxygen and/or hydrocarbon degradation catalysts, and is particularly useful for remediation of solvent, fuel or other industrially contaminated sites (30).

IPC 1-7

**A62D 3/00**; **B09C 1/06**; **B09C 1/08**; **C02F 1/74**

IPC 8 full level

**B09C 1/00** (2006.01); **B09C 1/06** (2006.01); **B09C 1/08** (2006.01); **C02F 1/02** (2006.01); **C02F 1/30** (2006.01)

CPC (source: EP)

**B09C 1/002** (2013.01); **B09C 1/06** (2013.01); **B09C 1/08** (2013.01); **C02F 1/025** (2013.01); **C02F 1/302** (2013.01); **B09C 2101/00** (2013.01); **C02F 2101/32** (2013.01); **C02F 2101/36** (2013.01); **C02F 2103/06** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9710030A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9710030 A1 19970320**; EP 0877639 A1 19981118; EP 0877639 A4 19991006

DOCDB simple family (application)

**US 9614584 W 19960912**; EP 96932996 A 19960912