

Title (en)
PROCESS FOR DESTROYING CONTAMINANTS IN CONTAMINANT-CONTAINING AQUEOUS STREAMS AND CATALYSTS USED THEREFOR

Title (de)
VERFAHREN ZUR ZERSTÖRUNG VON KONTAMINANTEN IN WÄSSRIGEN FLÜSSIGKEITEN UND DAFÜR VERWENDETER KATALYSATOR

Title (fr)
PROCEDE DE DESTRUCTION DE CONTAMINANTS DANS DES COURANTS AQUEUX RENFERMANT DES CONTAMINANTS ET CATALYSEURS UTILISES A CET EFFET

Publication
EP 1117619 A1 20010725 (EN)

Application
EP 99940830 A 19990805

Priority

- US 9917219 W 19990805
- US 9561498 P 19980806
- US 9735398 P 19980821

Abstract (en)
[origin: WO0007943A1] The process of this invention destroys contaminants in a contaminant-containing aqueous stream. The subject process comprises providing a contaminant-containing aqueous feed stream (30) including an initial amount of at least one of a group of contaminants including perchlorates, nitrates, and nitrites. The contaminant-containing aqueous feed stream includes a reducing agent (28). Next the reducing agent-containing, contaminant-containing aqueous stream is heated (22). Finally, the heated contaminant-containing aqueous stream is contacted with an oxidation-reduction catalyst (20) for a period of time sufficient for reducing the excess amount of any of the perchlorates, nitrates, and nitrites contaminants by at least about 90 %.

IPC 1-7
C02F 1/70

IPC 8 full level
C02F 1/02 (2006.01); **C02F 1/70** (2006.01)

CPC (source: EP)
C02F 1/02 (2013.01); **C02F 1/70** (2013.01); **C02F 2209/02** (2013.01); **C02F 2209/03** (2013.01); **C02F 2209/15** (2013.01); **C02F 2209/40** (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0007943 A1 20000217; AU 5460999 A 20000228; EP 1117619 A1 20010725; EP 1117619 A4 20011205

DOCDB simple family (application)
US 9917219 W 19990805; AU 5460999 A 19990805; EP 99940830 A 19990805