

Title (en)

METHOD FOR PROCESSING A NITROUS AQUEOUS LIQUID EFFLUENT BY CALCINATION AND VITRIFICATION

Title (de)

VERFAHREN ZUM VERARBEITEN EINES STICKSTOFFHALTIGEN WÄSSRIGEN FLÜSSIGEN ABWASSERS DURCH KALZINATION UND VITRIFIKATION

Title (fr)

PROCÉDÉ DE TRAITEMENT D'UN EFFLUENT LIQUIDE AQUEUX NITRIQUE PAR CALCINATION ET VITRIFICATION

Publication

EP 2374135 B1 20130313 (FR)

Application

EP 09799361 A 20091223

Priority

- EP 2009067900 W 20091223
- FR 0859138 A 20081230

Abstract (en)

[origin: WO2010076287A2] The invention relates to a method for processing a nitrous aqueous liquid effluent containing nitrates of metals or metalloids, including the step of calcinating the effluent in order to convert the metal or metalloid nitrates into metal or metalloid oxides, at least one compound selected from the metal or metalloid nitrates and the other compounds of the effluent resulting in a sticky oxide upon calcination, and a dilution additive including at least one metal or metalloid nitrate resulting in a non-sticky oxide upon calcination being added to the effluent prior to the calcination step in order to provide a mixture of effluent and dilution additive.

IPC 8 full level

G21F 9/14 (2006.01); **G21F 9/30** (2006.01)

CPC (source: EP KR US)

G21F 9/04 (2013.01 - KR); **G21F 9/14** (2013.01 - EP KR US); **G21F 9/30** (2013.01 - KR); **G21F 9/305** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

FR 2940717 A1 20100702; FR 2940717 B1 20110923; CN 102265352 A 20111130; CN 102265352 B 20140312; EP 2374135 A2 20111012; EP 2374135 B1 20130313; ES 2414161 T3 20130718; JP 2012514206 A 20120621; JP 5818256 B2 20151118; KR 101635368 B1 20160701; KR 20110107805 A 20111004; RU 2011131993 A 20130210; RU 2532413 C2 20141110; US 2012016173 A1 20120119; US 8846999 B2 20140930; WO 2010076287 A2 20100708; WO 2010076287 A3 20100916

DOCDB simple family (application)

FR 0859138 A 20081230; CN 200980152166 A 20091223; EP 09799361 A 20091223; EP 2009067900 W 20091223; ES 09799361 T 20091223; JP 2011544033 A 20091223; KR 20117015079 A 20091223; RU 2011131993 A 20091223; US 200913142243 A 20091223