

Title (en)

CLEANING INDUSTRIAL PLANT COMPONENTS TO REMOVE METAL HALIDES

Title (de)

VERFAHREN ZUR REINIGUNG VON TECHNISCHEN ANLAGENTEILEN VON METALLHALOGENIDEN

Title (fr)

PROCÉDÉ DE NETTOYAGE DE PARTIES D'INSTALLATION TECHNIQUES EN HALOGÉNURES MÉTALLIQUES

Publication

EP 2930232 B1 20171206 (DE)

Application

EP 15162053 A 20150331

Priority

DE 102014206875 A 20140409

Abstract (en)

[origin: CN104971918A] Cleaning industrial plant components to remove silane, metal halide, and organometallic halide contaminants and mixtures thereof, involves treating the plant components with a liquid nitrile or amine or mixture thereof or with a solution of a nitrile or amine or mixture thereof in an aprotic solvent.

IPC 8 full level

C11D 7/32 (2006.01); **C11D 11/00** (2006.01)

CPC (source: CN EP KR US)

B08B 3/08 (2013.01 - CN KR US); **B08B 9/027** (2013.01 - US); **C11D 7/32** (2013.01 - EP US); **C11D 7/3209** (2013.01 - EP US); **C11D 7/5009** (2013.01 - US); **C11D 7/5013** (2013.01 - US); **C11D 2111/20** (2024.01 - EP KR US)

Cited by

WO2017178268A1; US10584136B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2930232 A1 20151014; **EP 2930232 B1 20171206**; CN 104971918 A 20151014; CN 104971918 B 20180313; DE 102014206875 A1 20151015; JP 2015213900 A 20151203; JP 6121472 B2 20170426; KR 101882054 B1 20180725; KR 20150117207 A 20151019; US 2015291920 A1 20151015; US 9994802 B2 20180612

DOCDB simple family (application)

EP 15162053 A 20150331; CN 201510139808 A 20150327; DE 102014206875 A 20140409; JP 2015079119 A 20150408; KR 20150034262 A 20150312; US 201514667847 A 20150325