

Title (en)
FLUORINE GAS GENERATION DEVICE

Title (de)
VORRICHTUNG ZUR ERZEUGUNG VON FLUORGAS

Title (fr)
DISPOSITIF DE GÉNÉRATION DE GAZ DE FLUOR

Publication
EP 2415906 A4 20120829 (EN)

Application
EP 10758387 A 20100304

Priority
• JP 2010054061 W 20100304
• JP 2009089444 A 20090401

Abstract (en)
[origin: EP2415906A1] A refining device is provided to remove hydrogen fluoride gas that is vaporized from molten salt and intermixed into a main product gas. Two refining devices are disposed parallel to each other, each refining device includes a cooling device that cools a gas inflow portion such that the hydrogen fluoride gas coagulates while the fluorine gas passes through the gas inflow portion. A control device performs an operation changeover on the refining device on the basis of a detection result from a detector that detects an accumulation condition of the hydrogen fluoride in the gas inflow portion so that fluorine gas is led into a refining device on standby, and sets a refining device stopped by the operation changeover in a standby condition by discharging the hydrogen fluoride from the gas inflow portion of the stopped refining device and supplying fluorine gas to the gas inflow portion thereof.

IPC 8 full level
C25B 1/24 (2006.01); **C25B 9/00** (2006.01); **C25B 15/08** (2006.01)

CPC (source: EP KR)
C25B 1/245 (2013.01 - EP KR); **C25B 9/00** (2013.01 - KR); **C25B 15/021** (2021.01 - KR); **C25B 15/08** (2013.01 - EP KR)

Citation (search report)
• [Y] WO 03046244 A2 20030605 - FLUORINE ON CALL LTD [US], et al
• [Y] JP H04143288 A 19920518 - KAWAMURA INST CHEM RES & JP 2986885 B2 19991206
• [A] US 2004151656 A1 20040805 - SIEGELE STEPHEN H [US], et al
• [A] US 2004099537 A1 20040527 - HIRAIWA JIRO [JP], et al
• See references of WO 2010113611A1

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)
EP 2415906 A1 20120208; EP 2415906 A4 20120829; CN 102369311 A 20120307; JP 2010242127 A 20101028; JP 5572981 B2 20140820; KR 20110129914 A 20111202; WO 2010113611 A1 20101007

DOCDB simple family (application)
EP 10758387 A 20100304; CN 201080014702 A 20100304; JP 2009089444 A 20090401; JP 2010054061 W 20100304; KR 20117022150 A 20100304