

Title (en)
FLUORINE GAS GENERATION DEVICE

Title (de)
VORRICHTUNG ZUR ERZEUGUNG VON FLUORGAS

Title (fr)
DISPOSITIF DE GÉNÉRATION DE GAZ DE FLUOR

Publication
EP 2415907 A1 20120208 (EN)

Application
EP 10758389 A 20100304

Priority
• JP 2010054067 W 20100304
• JP 2009089438 A 20090401

Abstract (en)
A fluorine gas generation device that generates fluorine gas by electrolyzing hydrogen fluoride in molten salt includes an electrolytic cell in which a first gas chamber to which a main product gas having fluorine gas generated by an anode is led and a second gas chamber to which a byproduct gas having hydrogen gas generated by a cathode is led are separated above a liquid level of the molten salt, a raw material supply passage that is connected to the electrolytic cell to lead the hydrogen fluoride into the molten salt, and a carrier gas supply passage that is connected to the raw material supply passage to lead a carrier gas for leading the hydrogen fluoride into the molten salt to the raw material supply passage, wherein the fluorine gas generated by the anode or the hydrogen gas generated by the cathode is used as the carrier gas.

IPC 8 full level
C25B 15/08 (2006.01); **C25B 9/17** (2021.01)

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