

Title (en)

ELECTROLYTIC SYNTHESIS ANODE AND METHOD FOR PRODUCING FLUORINE GAS

Title (de)

ANODE FÜR ELEKTROLYTISCHE SYNTHESE UND VERFAHREN ZUR HERSTELLUNG VON FLUORGAS

Title (fr)

ANODE DE SYNTHÈSE ÉLECTROLYTIQUE ET PROCÉDÉ DE PRODUCTION DE GAZ FLUORÉ

Publication

EP 3842571 A1 20210630 (EN)

Application

EP 19851407 A 20190729

Priority

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- JP 2019029651 W 20190729

Abstract (en)

There are provided an anode for electrolytic synthesis and an electrolytic synthesis method capable of electrolytically synthesizing fluorine gas or a fluorine containing compound with a low power consumption while suppressing electrolytic resistance. An anode for electrolytic synthesis (3) for electrolytically synthesizing fluorine gas includes an anode substrate (31) formed of a metallic material and a carbonaceous layer (33) formed of a carbonaceous material and arranged on the surface of the anode substrate (31). The metallic material is an iron-based alloy containing iron and nickel.

IPC 8 full level

C25B 11/04 (2021.01); **C25B 1/24** (2021.01)

CPC (source: EP KR US)

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EP 19851407 A 20190729; CN 201980050058 A 20190729; JP 2019029651 W 20190729; JP 2020538260 A 20190729; KR 20217002724 A 20190729; TW 108128169 A 20190808; US 201917266728 A 20190729