

Title (en)

PRODUCTION METHOD FOR SCANDIUM METAL AND AL-SC ALLOYS VIA ELECTROLYSIS OF FLUORINATED SCANDIUM SALTS OBTAINED BY THE CALCINATION OF SCANDIUM COMPOUND IN THE FORM OF (NH₄)₂NASCF₆

Title (de)

HERSTELLUNGSVERFAHREN FÜR SCANDIUMMETALL UND AL-SC-LEGIERUNGEN DURCH ELEKTROLYSE FLUORIERTER SCANDIUMSALZE AUS DER KALZINIERUNG EINER SCANDIUMVERBINDUNG IN FORM VON (NH₄)₂NASCF₆

Title (fr)

PROCÉDÉ DE PRODUCTION DE SCANDIUM ET D'ALLIAGES AL-SC PAR ÉLECTROLYSE DE SELS DE SCANDIUM FLUORÉS OBTENUS PAR CALCINATION D'UN COMPOSÉ DE SCANDIUM SOUS LA FORME DE (NH₄)₂NASCF₆

Publication

EP 3612654 B1 20210908 (EN)

Application

EP 18849073 A 20180306

Priority

- TR 201704146 A 20170320
- TR 2018050078 W 20180306

Abstract (en)

[origin: WO2019040016A2] The invention relates to scandium metal obtained in its pure or alloy form, by removing (NH₄) form via calcining the initial scandium compound in (NH₄)₂NaScF₆ form and via molten salt electrolysis of fluorinated scandium compounds in NaScF₄ and Na₃ScF₆ forms that resulted after the calcination process.

IPC 8 full level

C22B 59/00 (2006.01); **C01F 11/22** (2006.01); **C25C 3/36** (2006.01)

CPC (source: EP)

C22B 59/00 (2013.01); **C25C 3/34** (2013.01); **C25C 3/36** (2013.01)

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)

WO 2019040016 A2 20190228; **WO 2019040016 A3 20190425**; EP 3612654 A2 20200226; EP 3612654 A4 20200422; EP 3612654 B1 20210908

DOCDB simple family (application)

TR 2018050078 W 20180306; EP 18849073 A 20180306