

Title (en)
PROCESS FOR THE PRODUCTION OF GROUP IVB TRANSITION METAL-ALKALI METAL-FLUORIDE SALTS AND PURIFICATION THEREOF.

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ÜBERGANGS-METALL-ALKALIMETALLFLUORIDSALZEN DER GRUPPE IVB.

Title (fr)
PROCEDE DE PREPARATION DE FLUORURES DE METAUX DE TRANSITION DU GROUPE IVB - METAUX ALCALINS ET DE PURIFICATION DE CES SELS.

Publication
EP 0305502 A4 19900605 (EN)

Application
EP 88903534 A 19880311

Priority
US 2538787 A 19870312

Abstract (en)
[origin: WO8807191A1] Group IVb transition metal oxide ores are fluorinated with an alkali metal fluosilicate in fluorination zone (10). The fluorinated ore (16) is leached with hydrochloric acid in leach zone (18). The group IVb transition metal - alkali metal fluoride - containing solution (20) is then cooled in a crystallization zone (22). Silicon tetrafluoride (30) produced in the fluorination zone (10) is scrubbed with water in the fluosilicic acid production zone (32) and the fluosilicic acid (34) is then reacted with alkali metal chloride (38) to form alkali metal fluosilicate, which is used in fluorination zone (10) and, hydrochloric acid which is used in leach zone (18).

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C22B 34/10; C22B 34/12; C22B 34/14; G01N 23/02; G01N 25/04

IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)

- [A] US 4359449 A 19821116 - HARD ROBERT A, et al
- See references of WO 8807191A1

Cited by
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