

Title (en)

PROCESS FOR IMPROVING THE PURITY OF TRANSITION METALS OBTAINED BY ELECTROLYSIS OF THEIR HALIDES IN MOLTEN SALTS BATHS

Publication

EP 0197867 B1 19881117 (FR)

Application

EP 86420077 A 19860317

Priority

FR 8504596 A 19850319

Abstract (en)

[origin: US4675084A] The present invention relates to a process for improving the purity of transition metals produced by electrolysis of halides thereof in a bath of molten salts in a tank having a metal internal wall. The process is characterised in that a cathodic potential with respect to the anode of the cell is permanently imposed on the tank. It finds application in the production of metals such as in particular titanium, zirconium, hafnium, vanadium, niobium and tantalum, with a low proportion of oxygen and foreign metal elements.

IPC 1-7

C25C 3/26; **C25C 7/06**

IPC 8 full level

C25C 3/26 (2006.01); **C25C 7/06** (2006.01)

CPC (source: EP US)

C25C 3/26 (2013.01 - EP US); **C25C 7/06** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0197867 A1 19861015; **EP 0197867 B1 19881117**; AT E38693 T1 19881215; CA 1268446 A 19900501; DE 3661203 D1 19881222; FR 2579230 A1 19860926; FR 2579230 B1 19900525; JP H0213034 B2 19900403; JP S61217592 A 19860927; US 4675084 A 19870623

DOCDB simple family (application)

EP 86420077 A 19860317; AT 86420077 T 19860317; CA 504243 A 19860317; DE 3661203 T 19860317; FR 8504596 A 19850319; JP 5674486 A 19860314; US 82993786 A 19860218