

Title (en)  
CELL FOR THE ELECTROLYTIC PRODUCTION OF A METAL FROM ITS HALIDE

Publication  
**EP 0069681 B1 19860205 (FR)**

Application  
**EP 82420065 A 19820526**

Priority  
FR 8111021 A 19810529

Abstract (en)  
[origin: ES8304220A1] A cell for producing a metal by electrolysis of an anhydrous metal halide in a bath of molten salts comprises an external jacket of substantially parallelepipedal shape, having cooling means, ports for the input and output of liquid and gaseous fluids and means for supplying electricity, the lower end of the jacket includes a receptacle zone to collect the metal produced a plurality of stacked electrodes in the central portion of the cell, each stack comprising, in a vertical direction and in descending order, a current supply electrode, intermediate multipolar members and a current output electrode, defining regular interpolar spaces and a gas collecting zone in the top portion. The cell is characterized in that the multipolar members are assembled in a vertical stack, and the interpolar spaces are substantially vertical. The cell is particularly well adapted for the production of aluminum by electrolysis of the corresponding chloride.

IPC 1-7  
**C25C 3/08**; **C25C 7/02**

IPC 8 full level  
**C25C 3/06** (2006.01); **C25C 3/08** (2006.01); **C25C 7/02** (2006.01)

CPC (source: EP US)  
**C25C 3/08** (2013.01 - EP US); **C25C 7/025** (2013.01 - EP US)

Cited by  
EP0126555A1

Designated contracting state (EPC)  
CH DE GB IT LI NL SE

DOCDB simple family (publication)  
**FR 2506789 A1 19821203**; **FR 2506789 B1 19831007**; AU 548317 B2 19851205; AU 8428282 A 19821202; BR 8203117 A 19830510; CA 1167409 A 19840515; DE 3268930 D1 19860320; EP 0069681 A1 19830112; EP 0069681 B1 19860205; ES 512612 A0 19830216; ES 8304220 A1 19830216; GR 68280 B 19811120; IN 157813 B 19860628; JP S57203784 A 19821214; NO 821803 L 19821130; NZ 200772 A 19850913; US 4459195 A 19840710

DOCDB simple family (application)  
**FR 8111021 A 19810529**; AU 8428282 A 19820528; BR 8203117 A 19820528; CA 404037 A 19820528; DE 3268930 T 19820526; EP 82420065 A 19820526; ES 512612 A 19820528; GR 810166010 A 19810910; IN 267CA1982 A 19820308; JP 8960682 A 19820526; NO 821803 A 19820528; NZ 20077282 A 19820527; US 36958382 A 19820419