

Title (en)
PROCESS FOR THE ELECTROLYTIC PREPARATION OF RARE-EARTH ELEMENTS OR THEIR ALLOYS, AND APPARATUS FOR CARRYING OUT THE PROCESS

Publication
EP 0184515 B1 19890816 (FR)

Application
EP 85402404 A 19851204

Priority
FR 8418700 A 19841207

Abstract (en)
[origin: EP0184515A1] 1. A process for the preparation of a rare earth metal or an alloy of rare earth metal with at least one metal selected from the group consisting of rare earths and transition metals by electrolysis in a bath of molten salts, characterised by effecting on solid electrodes the electrolysis of at least one chloride of a rare earth in a bath of salts essentially comprising lithium chloride and lithium fluoride ; the cathode being a cathode of tungsten or formed by at least one rare earth metal when preparing a rare earth metal or an alloy of rare earth metals, the cathode being formed by a transition metal or an alloy of a rare earth metal and a transition metal when preparing an alloy of at least one rare earth metal and at least one transition metal.

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C25C 3/00; **C25C 3/34**

IPC 8 full level
C25C 3/00 (2006.01); **C25C 3/34** (2006.01); **C25C 3/36** (2006.01); **C25C 7/00** (2006.01)

CPC (source: EP KR)
C25C 1/22 (2013.01 - KR); **C25C 3/00** (2013.01 - EP); **C25C 3/34** (2013.01 - EP)

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EP 0184515 A1 19860611; **EP 0184515 B1 19890816**; AT E45597 T1 19890915; AU 5085085 A 19860612; AU 591080 B2 19891130; CA 1276585 C 19901120; CA 1318882 C 19930608; CN 85108786 A 19861105; DE 3572371 D1 19890921; ES 549652 A0 19870416; ES 8705050 A1 19870416; FR 2574434 A1 19860613; FR 2574434 B1 19890421; JP H0440435 B2 19920702; JP S61159593 A 19860719; KR 860005054 A 19860716; KR 910009402 B1 19911115; MY 102430 A 19920630; NO 172989 B 19930628; NO 172989 C 19931006; NO 854899 L 19860609; ZA 859360 B 19860827

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