

Title (en)  
DEVICE AND METHOD FOR CONNECTING INERT ANODES FOR THE PRODUCTION OF ALUMINIUM BY FUSED-SALT ELECTROLYSIS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM VERBINDEN VON INERTEN ANODEN ZUR HERSTELLUNG VON ALUMINIUM DURCH SCHMELZFLUSSELEKTROLYSE

Title (fr)  
DISPOSITIF ET PROCEDE DE RACCORDEMENT D'ANODES INERTES DESTINEES A LA PRODUCTION D'ALUMINIUM PAR ELECTROLYSE IGNEE

Publication  
**EP 1678349 B1 20121107 (FR)**

Application  
**EP 04817090 A 20040928**

Priority  
• FR 2004002451 W 20040928  
• FR 0311444 A 20030930

Abstract (en)  
[origin: WO2005033368A2] The invention relates to an anode assembly (1) for a cell used to produce aluminium by fused-salt electrolysis. The assembly comprises an inert anode (2) in the form of a pocket, a connecting conductor (3, 4, 5), mechanical connection means which can cooperate in order to establish a mechanical link between the conductor and the anode, and a soldered metal joint or a metal joint which can be formed by soldering (31) and which is arranged either between all or part of at least one surface (20, 20', 20'') of the open extremity (22) of the anode (2) and all or part of at least one surface (40, 40', 40'') of the extremity of the connection (42) of the conductor (3, 4, 5). The invention makes it possible to simplify the production of anode assemblies comprising an inert anode.

IPC 8 full level  
**C25C 3/12** (2006.01); **C25C 3/16** (2006.01)

CPC (source: EP US)  
**C25C 3/12** (2013.01 - EP US); **C25C 3/16** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US); **Y10T 29/53204** (2015.01 - EP US); **Y10T 29/53209** (2015.01 - EP US)

Citation (examination)  
US 2001037946 A1 20011108 - D ASTOLFO LEROY E [US], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2860247 A1 20050401; FR 2860247 B1 20051111**; AR 045641 A1 20051102; AU 2004278527 A1 20050414; AU 2004278527 B2 20090903; CA 2539697 A1 20050414; CA 2539697 C 20120424; CN 100540749 C 20090916; CN 1863941 A 20061115; EP 1678349 A2 20060712; EP 1678349 B1 20121107; ES 2399115 T3 20130326; IS 8427 A 20060424; NO 20061851 L 20060629; NO 340749 B1 20170612; NZ 545608 A 20100528; RU 2006114429 A 20071120; RU 2353710 C2 20090427; SI 1678349 T1 20130329; US 2006163057 A1 20060727; US 7544275 B2 20090609; WO 2005033368 A2 20050414; WO 2005033368 A3 20051222; ZA 200603395 B 20070926

DOCDB simple family (application)  
**FR 0311444 A 20030930**; AR P040103274 A 20040913; AU 2004278527 A 20040928; CA 2539697 A 20040928; CN 200480028342 A 20040928; EP 04817090 A 20040928; ES 04817090 T 20040928; FR 2004002451 W 20040928; IS 8427 A 20060424; NO 20061851 A 20060426; NZ 54560804 A 20040928; RU 2006114429 A 20040928; SI 200431992 T 20040928; US 56954606 A 20060317; ZA 200603395 A 20040928