

Title (en)
ELEMENT FOR HANDLING CONNECTORS FOR ELECTROLYTIC CELLS WHICH ARE USED FOR THE PRODUCTION OF ALUMINIUM

Title (de)
ELEKTRODENHALTERUNG EINER ALUMINIUMELEKTROLYSEZELLE

Title (fr)
ORGANE DE MANUTENTION DE CONNECTEURS D'ELECTRODE DE CELLULES D'ELCTROLYSE DESTINEES A LA PRODUCTION D'ALUMINIUM

Publication
EP 1627099 B1 20110216 (FR)

Application
EP 04742688 A 20040510

Priority
• FR 2004001131 W 20040510
• FR 0305679 A 20030512

Abstract (en)
[origin: US2005266735A1] The present invention relates to a handling device for an anode connector provided with at least two side trunnions and a tightening screw. The connector is generally capable of cooperating with attachment hooks of an aluminum production cell used in fused bath electrolysis production operations so as to enable connection of anodes onto the cell. The handling device has a tightening device capable of tightening the connector screw and affecting the tightness of the connector. The present invention also has a locking system that can lock the connector in a desired position in the handling device, by loosening the connector using the tightening device. The handling device also has at least one mobile member which typically has a support to support the connector in a closed position. The support can also displace the mobile member from its closed position to an open position, and vice versa.

IPC 8 full level
C25C 3/16 (2006.01); **C25C 7/02** (2006.01); **C25C 7/06** (2006.01)

CPC (source: EP US)
C25C 3/16 (2013.01 - EP US)

Cited by
EP4079939A1

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)
US 2005266735 A1 20051201; **US 7344625 B2 20080318**; AR 044157 A1 20050824; AT E498712 T1 20110315; AU 2004239044 A1 20041125; AU 2004239044 B2 20090702; BR PI0410247 A 20060516; CA 2525106 A1 20041125; CN 1788110 A 20060614; CN 1788110 B 20100421; DE 602004031418 D1 20110331; EP 1627099 A2 20060222; EP 1627099 B1 20110216; FR 2854906 A1 20041119; FR 2854906 B1 20060616; IS 8166 A 20051202; NO 20055845 D0 20051209; NO 20055845 L 20060213; RU 2005138498 A 20060510; RU 2338813 C2 20081120; WO 2004101853 A2 20041125; WO 2004101853 A3 20050120; ZA 200509056 B 20070328

DOCDB simple family (application)
US 5715105 A 20050215; AR P040101502 A 20040503; AT 04742688 T 20040510; AU 2004239044 A 20040510; BR PI0410247 A 20040510; CA 2525106 A 20040510; CN 200480012750 A 20040510; DE 602004031418 T 20040510; EP 04742688 A 20040510; FR 0305679 A 20030512; FR 2004001131 W 20040510; IS 8166 A 20051202; NO 20055845 A 20051209; RU 2005138498 A 20040510; ZA 200509056 A 20040510