Title (en)

HANDLING TOOL, FOR SECURE HANDLING OF CONNECTORS OF ELECTROLYSIS CELLS INTENDED FOR ALUMINIUM PRODUCTION

Title (de)

HANDHABUNGSWERKZEUG ZUR SICHEREN HANDHABUNG VON VERBINDERN FÜR ELEKTROLYSEZELLEN ZUR HERSTELLUNG VON ALUMINIUM

Title (fr)

ORGANE DE MANUTENTION SECURISEE DE CONNECTEURS DE CELLULES D'ELECTROLYSE DESTINEES A LA PRODUCTION D'ALUMINIUM

Publication

EP 2614178 A1 20130717 (FR)

Application

EP 11761648 A 20110906

Priority

- FR 1003568 A 20100908
- FR 2011000492 W 20110906

Abstract (en)

[origin: WO2012032234A1] Handling tool (300) for handling a connector (200) in order to connect an anode rod onto the anode frame (5) of a cell (1) for producing aluminium by melt electrolysis, said connector being provided with two lateral journals (212, 212') capable of cooperating with bearing hooks (10, 10') fastened to said anode frame and placed on either side of the anode rod (9), so as to press said anode rod against said anode frame, said handling tool comprising at least one guiding member (30) having a groove (40) associated with each of said journals and intended to accommodate said journal, said handling tool being characterized in that it also comprises: at least one gripping member (31) having an open position and a closed position, said guiding member and said gripping member cooperating in such a way that, when said gripping member is in the open position, each journal may be inserted into said groove or extracted therefrom, and when said gripping member is in the closed position, each journal may undergo only a limited displacement in said groove, between what is called the "low" position corresponding to the contact between said gripping member and what is called a "high" position; an actuation system (311) associated with said gripping member, capable of moving said gripping member between said open and closed positions; and at least one locking system (32) having a locked position and an unlocked position, capable of blocking said gripping member when it is in the locked position and capable of switching from the locked position to the unlocked position when said journals are in the high position.

IPC 8 full level

C25C 3/16 (2006.01)

CPC (source: EP RU US)

B66C 1/42 (2013.01 - US); **C25C 3/16** (2013.01 - EP RU US)

Citation (search report)

See references of WO 2012032234A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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