

Title (en)  
SMALL-SIZED SERVICE MODULE FOR ALUMINIUM ELECTROLYSIS FACTORIES

Title (de)  
KLEINES SERVICEMODUL FÜR ALUMINIUMELEKTROLYSEFABRIKEN

Title (fr)  
MODULE DE SERVICE COMPACT DESTINE AUX USINES DE PRODUCTION D'ALUMINIUM PAR ELECTROLYSE

Publication  
**EP 1781839 A2 20070509 (FR)**

Application  
**EP 05778791 A 20050622**

Priority  
• FR 2005001571 W 20050622  
• FR 0406956 A 20040625

Abstract (en)  
[origin: WO2006010816A2] The invention relates to a service module for factories producing aluminium by fusion electrolysis. The turret (9) of the inventive service module (7) is provided with a determined tool set, wherein each tool (101, 102, 103) is mounted on a telescopic arm (111, 112, 113) which is fixed to the turret (9) by a hinge support (121, 122, 123) which enables said telescopic arm to be perpendicularly movable with respect to a determined hinge point without rotating around the main axis thereof. Said telescopic arms are interconnected by a mechanical connection device (200) which maintains the relative angular deviation between the perpendicular movements thereof within a given tolerance range. Said invention makes it possible to bring the tools closer without striking each other during the use thereof.

IPC 8 full level  
**C25C 3/14** (2006.01); **B66C 17/06** (2006.01); **C25C 3/06** (2006.01)

CPC (source: EP US)  
**C25C 3/06** (2013.01 - EP US); **C25C 3/14** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006010816A2

Cited by  
WO2013045771A1; FR2980488A1

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

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**FR 2872175 A1 20051230; FR 2872175 B1 20060728**; AR 053087 A1 20070425; AT E465282 T1 20100515; AU 2005266288 A1 20060202; AU 2005266288 B2 20090917; BR PI0512381 A 20080311; CA 2570757 A1 20060202; CA 2570757 C 20130423; CN 101133189 A 20080227; CN 101133189 B 20100505; DE 602005020807 D1 20100602; EP 1781839 A2 20070509; EP 1781839 B1 20100421; MY 142557 A 20101215; NO 20070095 L 20070105; RU 2007102681 A 20080727; RU 2377343 C2 20091227; UA 90681 C2 20100525; US 2008075572 A1 20080327; US 7857954 B2 20101228; WO 2006010816 A2 20060202; WO 2006010816 A3 20070531; ZA 200610582 B 20080625

DOCDB simple family (application)  
**FR 0406956 A 20040625**; AR P050102404 A 20050613; AT 05778791 T 20050622; AU 2005266288 A 20050622; BR PI0512381 A 20050622; CA 2570757 A 20050622; CN 200580021273 A 20050622; DE 602005020807 T 20050622; EP 05778791 A 20050622; FR 2005001571 W 20050622; MY PI20052901 A 20050624; NO 20070095 A 20070105; RU 2007102681 A 20050622; UA A200700754 A 20050622; US 57112705 A 20050622; ZA 200610582 A 20050622