

Title (en)

Collecting, cleaning and calibrating unit for aluminium production electrolytic cells

Title (de)

Entnahme-, Reinigung-, Kalibrierungseinrichtung für in der Aluminiumherstellung angewandte Elektrolysezellen

Title (fr)

Unité de collecte, de nettoyage et de calibrage de cuves d'électrolyse mise en oeuvre pour la production d'aluminium

Publication

EP 1178004 B1 20060308 (FR)

Application

EP 00420176 A 20000804

Priority

- EP 00420176 A 20000804
- CA 2358368 A 20011004
- NO 20014747 A 20010928
- NZ 51458701 A 20011002
- US 3726101 A 20011023

Abstract (en)

[origin: EP1178004A1] Collection, cleaning and calibration assembly for molten salt aluminum electrolyzer chambers, especially anode apertures, has scoop support frame (11) connected mechanically to, and moveable with respect to, the assembly support frame (10), and incorporating link mechanism (14, 14') for providing circular movement of scoops (16, 17) articulated at the lower end of the scoop support frame (11). The assembly comprises two scoops (16, 17) articulated at the level of the lower end of the assembly support frame (10), which is vertically moveable and firmly connected to a moveable guide. The lower edge (31) of each scoop can be brought into a circular movement by an opening-and-closing link mechanism (14, 14'). Scoop support frame (11) is connected mechanically to assembly support frame (10), can be moved with respect to assembly support frame (10), and incorporates the link mechanism (14, 14').

IPC 8 full level

B66C 3/16 (2006.01); **C25C 3/06** (2006.01); **E02F 3/413** (2006.01)

CPC (source: EP US)

B66C 3/16 (2013.01 - EP US); **C25C 3/06** (2013.01 - EP US); **E02F 3/4135** (2013.01 - EP US)

Cited by

WO2011070245A1; WO2010079266A1; FR2953862A1; CN105253769A; CN107381342A; CN105502158A; FR2940796A1; RU2508243C2; AU2009336620B2; FR2945296A1; CN102421943A; AU2010247248B2; WO2010130892A1; US8756837B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1178004 A1 20020206; **EP 1178004 B1 20060308**; AT E319648 T1 20060315; CA 2358368 A1 20030404; CA 2358368 C 20110125; DE 60026486 D1 20060504; DE 60026486 T2 20060824; ES 2255963 T3 20060716; NO 20014747 D0 20010928; NO 20014747 L 20030331; NO 314635 B1 20030422; NZ 514587 A 20020927; SI 1178004 T1 20060831; US 2003106246 A1 20030612; US 6643957 B2 20031111

DOCDB simple family (application)

EP 00420176 A 20000804; AT 00420176 T 20000804; CA 2358368 A 20011004; DE 60026486 T 20000804; ES 00420176 T 20000804; NO 20014747 A 20010928; NZ 51458701 A 20011002; SI 200030857 T 20000804; US 3726101 A 20011023