

Title (en)

Collecting, cleaning and calibrating unit for aluminium production electrolytic cells

Title (de)

Entnahme-, Reinigungs-, 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

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- 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)

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Cited by

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