

Title (en)
COMPACT SERVICE MODULE WHICH IS INTENDED FOR ELECTROLYTIC ALUMINIUM PRODUCTION PLANTS

Title (de)
KOMPAKTES SERVICEMODUL FÜR ANLAGEN ZUR ELEKTROLYTISCHEN HERSTELLUNG VON ALUMINIUM

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

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Application
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Abstract (en)
[origin: US2005211552A1] A tending module (7) for a series of electrolytic cells (2) to be used for the production of aluminum by fused bath electrolysis including a frame (8) that can be fixed to a trolley (6) and a turret (9) fitted on the frame (8) so as to pivot about a vertical axis A, and equipped with a set of tools including a crust breaker (11), a bucket shovel (12), at least one first anode clamp (13) and a hopper (15) fitted with a retractable duct (16), and a balcony or a cab (18) having controls that will be used to maneuver the module and the tools, and a control station (19) from which an operator can actuate the controls. The module according to the invention is characterized in that, taking a first plane P 1 and a second plane P 2 perpendicular to each other and to the turret (9) plane Pt and intersecting on the A axis, the center C of the control station (19) is located at a determined distance C 1 from plane P 1 and a determined distance C 2 from plane P 2 , the center of the bucket shovel (12) and the center of the first anode clamp (13) are located on the opposite side of the plane P 1 from the control station (19), and the crust breaker (11) and the retractable duct (16) are located between the control station (19) and the row formed by the bucket shovel (12) and the first anode clamp (13).

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