

Title (en)
DEVICE AND METHOD FOR CONNECTING INERT ANODES FOR THE PRODUCTION OF ALUMINIUM BY FUSED-SALT ELECTROLYSIS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM VERBINDEN VON INERTEN ANODEN ZUR HERSTELLUNG VON ALUMINIUM DURCH SCHMELZFLUSSELEKTROLYSE

Title (fr)
DISPOSITIF ET PROCEDE DE RACCORDEMENT D'ANODES INERTES DESTINEES A LA PRODUCTION D'ALUMINIUM PAR ELECTROLYSE IGNEE

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Application
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Abstract (en)
[origin: WO2005033368A2] The invention relates to an anode assembly (1) for a cell used to produce aluminium by fused-salt electrolysis. The assembly comprises an inert anode (2) in the form of a pocket, a connecting conductor (3, 4, 5), mechanical connection means which can cooperate in order to establish a mechanical link between the conductor and the anode, and a soldered metal joint or a metal joint which can be formed by soldering (31) and which is arranged either between all or part of at least one surface (20, 20', 20'') of the open extremity (22) of the anode (2) and all or part of at least one surface (40, 40', 40'') of the extremity of the connection (42) of the conductor (3, 4, 5). The invention makes it possible to simplify the production of anode assemblies comprising an inert anode.

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