

Title (en)

METHOD FOR MAKING ANODES FOR ALUMINUM PRODUCTION BY FUSED-SALT ELECTROLYSIS, RESULTING ANODES AND USE THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ANODEN FÜR DIE HERSTELLUNG VON ALUMINIUM DURCH SCHMELZFLUSSELEKTROLYSE, RESULTIERENDE ANIONEN UND VERWENDUNG DAVON

Title (fr)

PROCEDE DE FABRICATION D'ANODES POUR LA PRODUCTION D'ALUMINIUM PAR ELECTROLYSE IGNEE, LESDITES ANODES ET LEUR UTILISATION

Publication

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Application

EP 07731426 A 20070510

Priority

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Abstract (en)

[origin: WO2007132081A2] The invention concerns a method for making anodes used for aluminum production by fused-salt electrolysis, said anodes comprising an anode rod made of conductive metal and at least one carbon-containing block, or anode block. Said method includes at least the following steps: a) providing an anode rod; b) providing a new anode block; c) fixing one end of the anode rod on the anode block, so as to provide proper mechanical engagement and proper electrical connection between said rod and said anode block. Said method is characterized in that, before, during or after step c) but before installing said anode in the electrolytic cell, it consists, at least on part of the upper surface of said anode block, in depositing a protective layer of controlled thickness, typically between 5 and 25 cm, consisting of a material resistant to the temperature and to the corrosion by the environment prevailing above the electrolytic solution.

IPC 8 full level

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