

Title (en)

CATHODE SYSTEMS FOR ELECTROLYTICALLY OBTAINING ALUMINIUM

Title (de)

KATHODENSYSTEME ZUR ELEKTROLYTISCHEN ALUMINIUMGEWINNUNG

Title (fr)

SYSTEMES DE CATHODE POUR LA PRODUCTION ELECTROLYTIQUE D'ALUMINIUM

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Application

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Abstract (en)

[origin: WO2004059039A1] The invention relates to cathode systems for electrolytically obtaining aluminium, said cathode systems being divided into at least two parts with different electrical resistances, in the direction of the longitudinal axes thereof on the side of the current supply from the cathode, in such a way that the electrical resistance from the ends of the collector (2) to the part of the edge region of the cathode which faces the collector is equal to at least 1.2 times the electrical resistance from the ends of the collector to the part of the centre of the cathode which faces the collector, either the contact material or the collector being divided into regions (13, 14) with different resistances. The invention also relates to methods for producing said cathode systems and to the use of the same for electrolytically obtaining aluminium.

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