

Title (en)

PROCESS FOR PRODUCING A CATHODE BLOCK FOR AN ALUMINIUM ELECTROLYSIS CELL

Title (de)

VERFAHREN ZUM HERSTELLEN EINES KATHODENBLOCKS FÜR EINE ALUMINIUM-ELEKTROLYSEZELLE

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN BLOC CATHODIQUE POUR CELLULE D'ÉLECTROLYSE D'ALUMINIUM

Publication

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Application

**EP 11738711 A 20110729**

Priority

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Abstract (en)

[origin: CA2805562A1] The invention relates to a process for producing a cathode block, comprising the following steps: providing starting materials, including coke and a hard material powder, such as TiB<sub>2</sub>, and also if appropriate a carbon-containing material, mixing the starting materials, forming a cathode block, carbonizing and graphitizing, and also cooling. According to the invention, the graphitizing step is carried out at temperatures of between 2300 and 3000 °C, in particular between 2400 and 2900 °C.

IPC 8 full level

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