

Title (en)

ALUMINUM ELECTROLYTIC CELL HAVING CATHODE CARBON BLOCK WITH COLUMNAR PROTRUSIONS EMBEDDED ON ITS UPPER SURFACE

Title (de)

ALUMINIUMELEKTROLYSEZELLE MIT EINEM KATHODEN-KOHLNSTOFF-BLOCK MIT AUF DER OBEREN FLÄCHE EINGEBETTETEN SÄULENFÖRMIGEN ERHEBUNGEN

Title (fr)

CELLULE D'ÉLECTROLYSE D'ALUMINIUM COMPRENANT UN BLOC CATHODIQUE EN CARBONE DOTÉ DE PARTIES SAILLANTES COLONNAIRES ENCHÂSSÉES SUR SA SURFACE SUPÉRIEURE

Publication

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Application

**EP 10854308 A 20100730**

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Abstract (en)

An aluminum electrolytic cell having cathode carbon block with columnar protrusions (4) embedded on its upper surface is disclosed. The columnar protrusions (4) are arranged into two rows or three rows in the length direction of the upper surface of the carbon block. Two adjacent rows of columnar protrusions (4) are crisscross arranged, and the columnar protrusions (4) of the cathode carbon block (10) are immersed in the aluminum liquid. The pot holes in the positions of the cathode carbon block substrate (3) and the upper surface of the cathode carbon block substrate (3) where columnar protrusions (4) are embedded can be one-step molded by vibration molding or compression molding, and can be made by machining as well.

IPC 8 full level

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CPC (source: EP US)

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