

Title (en)

CATHODE FOR A MELTED ELECTROLYTE CELL FOR THE PREPARATION OF ALUMINUM.

Title (de)

KATHODE FÜR EINE SCHMELZFLUSSELEKTROLYSEZELLE ZUR HERSTELLUNG VON ALUMINIUM.

Title (fr)

CATHODE POUR CELLULE D'ELECTROLYTE FONDU POUR LA PREPARATION D'ALUMINIUM.

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Application

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Abstract (en)

[origin: WO8201899A1] An interchangeable and wettable solid cathode for the electrolysis of a melt electrolyte is comprised of at least an intermetal aluminum compound of the group IV A, V A or VI A of the periodic system of elements. The aluminum and titanium compound in the //c phase has proved to be particularly appropriate. The form of execution represented in figure 1 comprises two assembled parts (10 and 18). The part (10) in its upper portion is made of aluminate while the lower portion (18) is made of an insulating material.

Abstract (fr)

Une cathode solide interchangeable et mouillable pour l'electrolyse d'electrolyte fondu est constituee d'au moins un compose intermetallique d'aluminium du groupe IV A, V A ou VI A du systeme periodique des elements. Le compose d'aluminium et de titane en phase (Alpha) s'est montre particulierement avantageux. La forme d'execution representee a la figure 1 consiste en deux parties assemblees (10 et 18). La partie (10) dans la partie superieure est constituee en aluminat alors que la partie inferieure (18) et en un materiau isolant.

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