

Title (en)
CATHODE ELEMENTS FOR A HALL-HÉROULT CELL FOR ALUMINIUM PRODUCTION AND A CELL OF THIS TYPE HAVING SUCH ELEMENTS INSTALLED

Title (de)
KATHODENELEMENTE FÜR EINE HALL-HÉROULT-ZELLE ZUR HERSTELLUNG VON ALUMINIUM UND EINE DERARTIGE ZELLE MIT DERARTIGEN EINGEBAUTEN ELEMENTEN

Title (fr)
ÉLÉMENTS DE CATHODE POUR UNE CELLULE DE HALL-HÉROULT POUR LA PRODUCTION D'ALUMINIUM ET CELLULE DE CE TYPE COMPORTANT DE TELS ÉLÉMENTS INSTALLÉS

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Abstract (en)
[origin: WO2019174948A1] A cathode element (1 ') for an electrolysis cell of Hall-Heroult type for producing aluminium, comprises a body (4) of calcinated carbonaceous material connected with the upper side of a metallic collector plate (2). A space between the said carbonaceous body and the collector plate being filled with an electric conductive material preferably comprising conductive particles. The collector plate (2) further can comprise at least one horizontal outlet (5, 5') on at least one side and/or at least one vertical metallic current outlet (7) connected to the lower side of the collector plate (2). In one embodiment the collector plate is divided in two sections (20; 20). The invention also relates to a cell of Hall-Heroult type utilizing such cathode elements (1).

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