

Title (en)

A METHOD AND EQUIPMENT FOR STORING AND TRANSPORTING HOT GAS EMITTING COMPONENTS

Title (de)

VERFAHREN UND AUSRÜSTUNG ZUM LAGERN UND TRANSPORTIEREN VON HEISSGASEMITTIERENDEN KOMPONENTEN

Title (fr)

PROCÉDÉ ET ÉQUIPEMENT DE STOCKAGE ET DE TRANSPORT D'ÉLÉMENTS ÉMETTEURS DE GAZ CHAUD

Publication

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Application

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Abstract (en)

[origin: WO2020104119A1] A method and equipment for storing and transporting hot gas emitting components taken out of an electrolysis cell for aluminium production, the cell being of Hall-Héroult type with prebaked anodes, the components comprise at least one of; spent anode/s, bath material, anode covering material, the equipment comprises a top open closeable container that is closeable by means of lid(s), and further means for allowing a fluoride adsorbing material to be poured onto said component/s that have been brought into a central chamber (C) of the container. The equipment comprises further at least one fluidising air slide(s) arranged at the outside of the container where material is readily available for said air slide(s) as pre-stored material in compartment(s) in the equipment or readily available by external supply of material during the covering operation. The air slide(s) distribute the fluoride adsorbing material, by fluidisation of the material, through one or more inlet openings (O) in on or more side wall(s) (2) of the container, further into the central chamber (C) and finally covering said component(s) with material.

IPC 8 full level

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