

Title (en)
METHOD FOR THE INSOLUBILISATION AND CONSOLIDATION OF USED BRASQUES FROM HALL-HEROULT ELECTROLYTE VESSELS

Title (de)
VERFAHREN ZUM UNLOESLICHMACHEN UND KONSOLIDIEREN VON VERBRAUCHTEN AUSKLEIDUNGENDER ELEKTROLYTISCHEN HALL- HEROULT ZELLEN

Title (fr)
PROCEDE D'INSOLUBILISATION ET DE CONSOLIDATION DE BRASQUES USEES PROVENANT DES CUVES D'ELECTROLYSE HALL-HEROULT

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Application
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Abstract (en)
[origin: FR2756198A1] The invention concerns a method for the insolubilisation and consolidation in the form of pellets of used brasques from electrolyte vessels for producing aluminium comprising the grinding of said brasques and mixing them closely with various refractory pulverulent additives before burning characterised in that it consists in: introducing a first additive selected from the group of aluminium silicates for fixing the alkaline metals during burning; introducing a second additive which, during burning, will combine with the saturating fluorine-containing compounds to form new stable and insoluble compounds and by its non-combined supernatant fraction, will ensure the consolidation of the mixture, and this additive is selected from the group of calcium oxides and salts and preferably of lime cements and mortars; carrying out a forming by agglomerating in the form of pellets the close mixture of used ground brasques with said first and second pulverulent additives before burning at a temperature between 700 DEG C and 950 DEG C.

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