

Title (en)

METHOD FOR OBTAINING ALUMINIUM FROM ALUMINA-CONTAINING RAW MATERIAL.

Title (de)

VERFAHREN ZUR GEWINNUNG VON ALUMINIUM AUS ALIMINIUMOXYDHALTIGEN AUSGANGSMATERIAL.

Title (fr)

PROCEDE D'OBTENTION D'ALUMINIUM A PARTIR D'UNE MATIERE PREMIERE CONTENANT DE L'OXYDE D'ALUMINIUM.

Publication

**EP 0611837 A4 19941012 (EN)**

Application

**EP 92917708 A 19920804**

Priority

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- RU 9200149 W 19920804

Abstract (en)

[origin: EP0611837A1] The proposed method provides for one-stage treatment of an alumina-containing raw-material with a mixture of alkali metal salts of a fluorine-containing oxygen-free acid and hydrochloric acid taken at the ratio of respectively from 5:1 to 1:7.5 parts by weight. The mixture of the salts is introduced at the quantity of 40-85 % of the total weight, and treatment is carried out at a temperature of 850-1100 DEG C up to obtaining a reactional mass consisting of non-mixing fluoride-silicate and chloride-aluminate alkaline melts. The chloride-aluminate alkaline melt is separated from the obtained mass and introduced to the melt of alkali metal chlorides, and the obtained mass is subjected to electrolysis up to obtaining the desired product. The invention may be used in the fields of technology connected with the obtaining and use of aluminium.

IPC 1-7

**C25C 3/06; C22B 3/06**

IPC 8 full level

**C25C 3/18 (2006.01)**

CPC (source: EP)

**C25C 3/18 (2013.01)**

Citation (search report)

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- See references of WO 9403653A1

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DE FR GB

DOCDB simple family (publication)

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