

Title (en)
METHOD AND APPARATUS FOR THE PRODUCTION OF ALUMINIUM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR PRODUKTION VON ALUMINIUM

Title (fr)
PROCEDE ET APPAREIL DE PRODUCTION D'ALUMINIUM

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Application
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Abstract (en)
[origin: WO2006103085A1] The invention relates to a method for the continuous production of aluminium from alumina comprising a first step of converting alumina (Al_2O_3) into aluminiumsulphide (Al_2S_3) and a second step of separation of aluminium from aluminiumsulphide in a separating reactor, and wherein in the first step in a conversion reactor alumina is dissolved in a molten salt to form a melt and a sulphur containing gas is fed through the melt whereby the sulphur containing gas acts as a reagent to convert at least part of the alumina into aluminiumsulphide and at least part of the melt is used in the second step, and further the invention relates to an apparatus for operating the method.

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