

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

Publication
EP 1863953 A1 20071212 (EN)

Application
EP 06723909 A 20060327

Priority
• EP 2006002949 W 20060327
• EP 05075752 A 20050331
• EP 06723909 A 20060327

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.

IPC 8 full level
C25C 3/24 (2006.01); **C22B 21/00** (2006.01); **C25C 3/06** (2006.01); **C25C 3/18** (2006.01)

CPC (source: EP)
C22B 21/0038 (2013.01); **C22B 21/0053** (2013.01); **C25C 3/06** (2013.01); **C25C 3/18** (2013.01); **C25C 3/24** (2013.01)

Citation (search report)
See references of WO 2006103085A1

Cited by
CN109321763A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006103085 A1 20061005; AT E466974 T1 20100515; AU 2006228730 A1 20061005; AU 2006228730 B2 20100729; CA 2603095 A1 20061005; CA 2603095 C 20130521; DE 602006014108 D1 20100617; EP 1863953 A1 20071212; EP 1863953 B1 20100505; NO 20075476 L 20071030

DOCDB simple family (application)
EP 2006002949 W 20060327; AT 06723909 T 20060327; AU 2006228730 A 20060327; CA 2603095 A 20060327; DE 602006014108 T 20060327; EP 06723909 A 20060327; NO 20075476 A 20071030