

Title (en)
DESULFURIZING AGENT, METHOD FOR DESULFURIZING MOLTEN IRON AND METHOD FOR PRODUCING MOLTEN IRON

Title (de)
ENTSCHWEFELUNGSMITTEL, VERFAHREN ZUM ENTSCHWEFELN VON EISENSCHMELZE UND VERFAHREN ZUR HERSTELLUNG VON EISENSCHMELZE

Title (fr)
AGENT DE DÉSULFURATION, PROCÉDÉ DE DÉSULFURATION DE LA FONTE EN FUSION ET PROCÉDÉ PERMETTANT DE PRODUIRE DE LA FONTE EN FUSION

Publication
EP 3327150 A4 20180530 (EN)

Application
EP 16830368 A 20160715

Priority
• JP 2015146930 A 20150724
• JP 2016071071 W 20160715

Abstract (en)
[origin: EP3327150A1] To provide a method for desulfurizing hot metal and a method for producing hot metal, which have excellent desulfurization efficiency and are capable of reducing the cost necessary for desulfurization treatment. A desulfurization flux used for hot metal desulfurization comprising quicklime in which a total pore volume defined as a sum of volumes of pores having a pore diameter of from 0.5 μm to 10 μm is 0.1 mL/g or more.

IPC 8 full level
C21C 1/02 (2006.01); **C21C 7/00** (2006.01); **C21C 7/064** (2006.01); **F27D 27/00** (2010.01)

CPC (source: EP KR)
C21C 1/025 (2013.01 - EP KR); **C21C 7/0037** (2013.01 - EP); **C21C 7/0645** (2013.01 - EP); **F27D 3/18** (2013.01 - KR); **F27D 27/00** (2013.01 - EP KR); **F27D 2003/185** (2013.01 - KR)

Citation (search report)
• [IA] JP S6256509 A 19870312 - KAWASAKI STEEL CO, et al
• [A] JP 5101988 B2 20121219
• [A] JP 2010163697 A 20100729 - JFE STEEL CORP
• [A] JP H11221432 A 19990817 - NITTETSU MINING CO LTD
• [A] JP 2007247045 A 20070927 - JFE STEEL KK
• [A] JP S59157209 A 19840906 - SUMITOMO METAL IND
• See references of WO 2017018263A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (publication)
EP 3327150 A1 20180530; EP 3327150 A4 20180530; EP 3327150 B1 20191225; BR 112018001331 A2 20180911; CN 107849623 A 20180327; CN 107849623 B 20190618; JP 6156598 B2 20170705; JP WO2017018263 A1 20170727; KR 102142198 B1 20200806; KR 20180016593 A 20180214; TW 201714828 A 20170501; TW I616402 B 20180301; WO 2017018263 A1 20170202

DOCDB simple family (application)
EP 16830368 A 20160715; BR 112018001331 A 20160715; CN 201680042971 A 20160715; JP 2016071071 W 20160715; JP 2016570900 A 20160715; KR 20187001100 A 20160715; TW 105123249 A 20160722