Title (en)

METHOD FOR LOADING RAW MATERIAL INTO BLAST FURNACE

Title (de)

VERFAHREN ZUM LADEN EINES ROHMATERIALS IN EINEN HOCHOFEN

Title (fr)

PROCÉDÉ DE CHARGEMENT D'UNE MATIÈRE BRUTE DANS UN HAUT-FOURNEAU

Publication

EP 2851434 A1 20150325 (EN)

Application

EP 13790282 A 20130517

Priority

- JP 2012115055 A 20120518
- JP 2013003172 W 20130517

Abstract (en)

A method for charging blast furnace raw material into a blast furnace, includes, when charging blast furnace raw material including coke and ore material such as sintered ore, pellet, or lump ore into the blast furnace using a rotating chute: mixing the ore material with the coke to produce mixed material; and charging the mixed material into the blast furnace to form a mixed layer in a predetermined region in the blast furnace, in which the mixed material is discharged into the blast furnace at a discharge rate of 1.5 t/s or more to thereby improve homogeneity of the mixed layer.

IPC 8 full level

C21B 5/00 (2006.01); **C21B 7/20** (2006.01); **F27B 1/20** (2006.01); **F27D 3/00** (2006.01); **F27D 3/10** (2006.01)

CPC (source: EP KR)

C21B 5/001 (2013.01 - KR); **C21B 5/007** (2013.01 - EP); **C21B 5/008** (2013.01 - EP KR); **C21B 7/20** (2013.01 - EP KR); **F27B 1/20** (2013.01 - EP); **F27D 3/0033** (2013.01 - EP); **F27D 3/10** (2013.01 - EP)

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)

BA ME

DOCDB simple family (publication)

EP 2851434 A1 20150325; **EP 2851434 A4 20151209**; **EP 2851434 B1 20190220**; CN 104302788 A 20150121; CN 104302788 B 20160504; JP 5601426 B2 20141008; JP WO2013172046 A1 20160112; KR 101630279 B1 20160614; KR 20150004840 A 20150113; TR 201903647 T4 20190621; WO 2013172046 A1 20131121

DOCDB simple family (application)

EP 13790282 A 20130517; CN 201380025742 A 20130517; JP 2013003172 W 20130517; JP 2013556696 A 20130517; KR 20147032079 A 20130517; TR 201903647 T 20130517