

Title (en)

METHOD FOR CHARGING STARTING MATERIAL INTO BLAST FURNACE

Title (de)

VERFAHREN ZUM LADEN EINES AUSGANGSMATERIALS IN EINEN HOCHOFEN

Title (fr)

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

Publication

**EP 2851435 B1 20190731 (EN)**

Application

**EP 13790679 A 20130517**

Priority

- JP 2012114866 A 20120518
- JP 2013003171 W 20130517

Abstract (en)

[origin: EP2851435A1] A method for charging blast furnace raw material into a blast furnace, comprising, when charging blast furnace raw material including coke and ore material such as sinter, pellet, or lump ore into the blast furnace using a rotating chute, forming a central coke layer at a shaft central portion of the blast furnace; and forming a mixed layer of the coke and the ore material on the outside of the central coke layer with a coke mixing ratio varying in a continuous or stepwise manner from the shaft of the blast furnace towards the furnace wall in the blast furnace radial direction. The method ensures gas permeability in the blast furnace, stabilizes blast furnace operations, and improves thermal efficiency even when an operation to blow in a large amount of pulverized coal is performed.

IPC 8 full level

**C21B 5/00** (2006.01); **C21B 7/20** (2006.01)

CPC (source: EP KR)

**C21B 5/00** (2013.01 - KR); **C21B 5/001** (2013.01 - KR); **C21B 5/006** (2013.01 - EP); **C21B 5/007** (2013.01 - EP KR); **C21B 5/008** (2013.01 - EP KR); **C21B 7/18** (2013.01 - KR); **C21B 7/20** (2013.01 - EP)

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US11680748B2; US12098437B2

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DOCDB simple family (publication)

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