

Title (en)

HOT-BLAST STOVE CONSTRUCTION METHOD

Title (de)

KONSTRUKTIONSVORFAHREN FÜR WINDERHITZER

Title (fr)

PROCÉDÉ DE CONSTRUCTION D'UN FOYER À AIR CHAUD

Publication

EP 3031933 A1 20160615 (EN)

Application

EP 14835034 A 20140612

Priority

- JP 2013163520 A 20130806
- JP 2014065563 W 20140612

Abstract (en)

In a method of constructing a hot-blast stove, the hot-blast stove includes a furnace body including a furnace shell (4) and a lining (5) formed inside the furnace shell (4), in which the lining (5) includes a castable refractory (51) installed inside the furnace shell (4), heat-insulating bricks (52) installed inside the castable refractory (51), and fire bricks (53) installed inside the heat-insulating brick (52). The method of constructing the hot-blast stove includes: installing the heat-insulating bricks (52) and the fire bricks (53) inside the furnace shell (4) at an interval from the furnace shell (4); injecting the castable refractory (51) between the furnace shell (4) and the heat-insulating bricks (52); and solidifying the castable refractory (51).

IPC 8 full level

C21B 9/06 (2006.01); **F27D 1/16** (2006.01)

CPC (source: EP RU)

C21B 9/06 (2013.01 - EP); **F27D 1/1626** (2013.01 - EP); **C21B 9/06** (2013.01 - RU)

Cited by

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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BR 112016002453 B1 20201201; CN 105452491 A 20160330; JP 2015030907 A 20150216; JP 5469774 B1 20140416;
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