

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 A4 20170419 (EN)**

Application  
**EP 14835034 A 20140612**

Priority  
• JP 2013163520 A 20130806  
• JP 2014065563 W 20140612

Abstract (en)  
[origin: EP3031933A1] 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)

Citation (search report)  
• [Y] US 3528647 A 19700915 - HYDE JACK  
• [Y] EP 1975258 A1 20081001 - NIPPON STEEL ENG CO LTD [JP]  
• [Y] US 5358223 A 19941025 - BLEIJENDAAL NICOLAAS G J [NL], et al  
• See references of WO 2015019704A1

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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

DOCDB simple family (publication)  
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BR 112016002453 B1 20201201; CN 105452491 A 20160330; JP 2015030907 A 20150216; JP 5469774 B1 20140416;  
KR 101804829 B1 20171205; KR 20160040594 A 20160414; RU 2615383 C1 20170404; TW 201518666 A 20150516; TW I608210 B 20171211;  
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