

Title (en)

METHOD FOR FEEDING HOT GAS TO A SHAFT FURNACE

Title (de)

VERFAHREN FÜR DIE ZUFÜHRUNG VON HEISSGAS ZU EINEM SCHACHTOFEN

Title (fr)

PROCÉDÉ PERMETTANT D'ALIMENTER EN GAZ CHAUD UN FOUR À CUVE

Publication

EP 2649207 A1 20131016 (EN)

Application

EP 11802889 A 20111209

Priority

- LU 91764 A 20101210
- EP 2011072373 W 20111209

Abstract (en)

[origin: WO2012076707A1] The present invention proposes a method for feeding hot gas to a shaft furnace, in particular into a blast furnace. The method comprises providing a tuyere stock arrangement comprising a bustle pipe (56) arranged for receiving hot gas from a gas main (58) and a plurality of tuyere stocks (18) for feeding hot gas from said bustle pipe (56) into said shaft furnace, said tuyere stocks (18) being arranged around the circumference of said shaft furnace, each tuyere stock (18) comprising a downleg section (39) for connection to a bustle pipe; a blowpipe (34) for feeding the hot gas to the shaft furnace through a tuyere arranged in an opening in a shell (12) of the shaft furnace; and an elbow (37) arranged between the downleg section (39) and the blowpipe (34). According to an aspect of the invention, a Laval type restriction (40, 40', 40'') is arranged in the tuyere stock (18).

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 2012076707A1

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US 966704 A 19100809 - PICKLES JOHN [US]

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