Title (en)

FUEL SYSTEM TO BE DELIVERED INTO TUYERES DURING THE PRODUCTION OF PIG IRON IN A BLAST FURNACE, AND METHOD AND INSTALLATION FOR THE PRODUCTION AND DELIVERY OF THE FUEL MIXTURE

Title (de)

BRENNSTOFFMISCHUNG ZUR ZUFÜHRUNG IN BLASFORMEN BEI DER ROHEISENERZEUGUNG IM HOCHOFEN UND VERFAHREN UND ANLAGE ZUR HERSTELLUNG UND ZUFÜHRUNG DER BRENNSTOFFMISCHUNG

Title (fr)

MELANGE DE COMBUSTIBLE DESTINE A ETRE INTRODUIT DANS DES TUYERES POUR LA PRODUCTION DE FONTE BRUTE EN HAUT FOURNEAU ET PROCEDE ET INSTALLATION DE PRODUCTION ET D'INTRODUCTION DUDIT MELANGE COMBUSTIBLE

Publication

**EP 1629125 B1 20111214 (DE)**

Application

**EP 04729879 A 20040428**

Priority

- EP 2004004479 W 20040428
- DE 10323902 A 20030526

Abstract (en)

[origin: WO2004106558A1] The invention relates to a fuel mixture that is to be delivered into tuyeres during the production of pig iron in a blast furnace as well as a method and devices for the production and delivery of the fuel system. In order to optimize the production of pig iron in blast furnaces, an inventive fuel system is provided which is to be blown in according to the PCI method via tuyeres and can be produced in an extraordinarily simple and efficient manner. Said fuel mixture comprises a ready-to-inject coal dust-cinder mixture which is produced by joint grinding, especially in a vertical rolling mill. The invention makes it possible to improve the blast furnace process while allowing extraordinarily efficient utilization of the especially oil-contaminated cinder materials obtained in milling processes.

IPC 8 full level

**C21B 5/00** (2006.01)

CPC (source: EP)

**C21B 5/003** (2013.01)

Citation (examination)

GUDENAU H.W. ET AL: "Einblasen von Gichtstaub mit Kohlenstaub in den Hochofen", STAHL UND EISEN, vol. 119, no. 12, 15 December 1999 (1999-12-15), VERLAG STAHLEISEN, DUSSELDORF, DE, pages 81 - 87, XP000898795

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**EP 2004004479 W 20040428**; AT 04729879 T 20040428; DE 10323902 A 20030526; EP 04729879 A 20040428; ES 04729879 T 20040428; PL 04729879 T 20040428; TW 93112106 A 20040430