

Title (en)

HOT-AIR TUYERE STOCK FOR A SHAFT FURNACE, IN PARTICULAR A BLAST FURNACE

Title (de)

HEIßWINDDÜSENSTOCK FÜR EINEN SCHACHTOFEN, INSBESONDERE HOCHOFEN

Title (fr)

PORTE-TUYÈRE À VENT CHAUD POUR FOUR À CUVE, EN PARTICULIER POUR HAUT-FOURNEAU

Publication

EP 2542848 B1 20150107 (DE)

Application

EP 11707628 A 20110228

Priority

- DE 102010015842 A 20100305
- EP 2011052920 W 20110228

Abstract (en)

[origin: WO2011107428A1] A hot-air tuyere stock for a shaft furnace, in particular a blast furnace, consisting of at least two, in particular three, refractory-lined tube sections (10, 11, 12) with a movable connection (15), wherein each movable connection is formed as a spherical joint and comprises a compensator (16) which is similar to a corrugated-tube. The spherical-joint-type connection (15) comprises a bayonet locking mechanism (17), the complementary locking surfaces of which are each spherical segment areas (18, 19 and 20, 21) of which the centre point is the swivel point (D) of the spherical-joint-type connection (15).

IPC 8 full level

F27B 1/16 (2006.01); **C21B 7/16** (2006.01)

CPC (source: EP KR)

C21B 7/16 (2013.01 - KR); **C21B 7/163** (2013.01 - EP); **C21B 9/10** (2013.01 - EP); **F27B 1/16** (2013.01 - EP KR)

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)

DE 102010015842 A1 20110908; EP 2542848 A1 20130109; EP 2542848 B1 20150107; KR 20130009979 A 20130124; UA 106903 C2 20141027; WO 2011107428 A1 20110909

DOCDB simple family (application)

DE 102010015842 A 20100305; EP 11707628 A 20110228; EP 2011052920 W 20110228; KR 20127024864 A 20110228; UA A201210203 A 20110228