

Title (en)

Method for sealing charging holes of a coke oven and casting equipment for carrying the method

Title (de)

Verfahren zum Abdichten eines mit einem Deckel verschlossenen Fülloches an einem Koksofen und Giessvorrichtung zur Durchführung

Title (fr)

Procédé pour assurer l'étanchéité des trous de remplissage d'un four à coke et dispositif de coulage pour la mise en oeuvre du procédé

Publication

**EP 1002850 A3 20010328 (DE)**

Application

**EP 99113748 A 19990714**

Priority

DE 19853761 A 19981121

Abstract (en)

[origin: DE19853761C1] A container (3) on the charging car carries a set quantity of sealant, which is forced to an annular distributor (4) under pressure. This is located above the opening (2). After delivery, pipework (5) from the container outlet is flushed with water. An Independent claim is included for the casting equipment carrying out the sealing process. Preferred Features: The sealant mass is supplied tangentially to the distributor, and emerges from an annular slot or holes, on the distributor underside, for uniform mass distribution around the circumference. Sealant flows from the container into a dosing vessel (6) constructed for pressurization. After receiving the given quantity for sealing, Compressed is introduced into its top, forcing sealant out. Flushing follows. Water is taken from a flushing tank and withdrawn from the pipework ahead of the distributor, to be returned to the flushing tank. Flushing of the annular distributor takes place as the charging car is filled at the coaling bunker.

IPC 1-7

**C10B 25/16**; **C10B 25/24**

IPC 8 full level

**C10B 25/16** (2006.01); **C10B 25/24** (2006.01)

CPC (source: EP)

**C10B 25/16** (2013.01); **C10B 25/24** (2013.01)

Citation (search report)

- [A] DATABASE WPI Section Ch Week 199214, Derwent World Patents Index; Class H09, AN 1992-112241, XP002159035
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05 30 April 1998 (1998-04-30)
- [A] DATABASE WPI Section Ch Week 199244, Derwent World Patents Index; Class H09, AN 1992-364455, XP002159036

Cited by

DE102013103839B4; DE102013103839A1; WO2014170269A1; WO2012107219A1; US9505983B2

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