

Title (en)
Device for positioning a material basket

Title (de)
Vorrichtung zur Positionierung eines Materialkorbs

Title (fr)
Dispositif destiné au positionnement d'un panier à matériel

Publication
EP 2275764 A1 20110119 (DE)

Application
EP 09164630 A 20090706

Priority
EP 09164630 A 20090706

Abstract (en)
The device (1) has a guide rail system arranged in a charging opening. Two horizontally oriented guide rails (2, 3) act as a lateral guiding for a material basket. Stop parts (4a, 4b) are guided to the material basket along the guide rails. Deflection of the material basket opposite to the charging opening is prevented by locking devices (5a, 5b). The locking devices include two vertically arranged sleeve-like zones in which pins are arranged perpendicular to the material basket. A funnel receives the material basket that is arranged between the guide rail system and the charging opening. An independent claim is also included for a method for positioning a deflectable material basket in a charging opening of a furnace.

Abstract (de)
Die Erfindung betrifft eine Vorrichtung zur Positionierung eines auslenkbaren Materialkorbs an einer Beschickungsöffnung eines Schmelzofens, einen Schmelzofen mit einer solchen Vorrichtung, ein Verfahren zur Positionierung eines Materialkorbs sowie ein Verfahren zur Beschickung eines Schmelzofens. Die Vorrichtung verhindert zuverlässig ein Schwingen oder Pendeln eines mittels eines Krans bewegten, auslenkbaren Materialkorbs beim Anfahren an den Schmelzofen und beim Entleeren.

IPC 8 full level
F27D 3/00 (2006.01); **B66C 17/08** (2006.01); **F27B 1/20** (2006.01); **F27B 3/18** (2006.01)

CPC (source: EP US)
B66C 17/08 (2013.01 - EP US); **F27B 1/20** (2013.01 - EP US); **F27B 3/183** (2013.01 - EP US); **F27D 3/0027** (2013.01 - EP US); **F27D 2003/0069** (2013.01 - EP US)

Citation (applicant)
DE 560041 C 19320928 - WILHELM GRAF MASCHINENFABRIK

Citation (search report)
[A] DE 863321 C 19530115 - BECKENBACH KARL DIPL-ING

Cited by
DE102011113734A1; EP3246284A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2275764 A1 20110119; **EP 2275764 B1 20120425**; AT E555357 T1 20120515; BR 112012000286 A2 20160223; CN 102472584 A 20120523; CN 102472584 B 20140625; ES 2383053 T3 20120615; RU 2012103846 A 20130820; RU 2522056 C2 20140710; US 2012257949 A1 20121011; WO 2011003656 A1 20110113

DOCDB simple family (application)
EP 09164630 A 20090706; AT 09164630 T 20090706; BR 112012000286 A 20100518; CN 201080030649 A 20100518; EP 2010056759 W 20100518; ES 09164630 T 20090706; RU 2012103846 A 20100518; US 201013382670 A 20100518