

Title (en)  
METHOD AND DEVICE FOR THE POSITIONING OF OPERATING UNITS OF A COAL FILLING CART AT THE FILLING OPENINGS OF A COKE OVEN

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR POSITIONIERUNG VON BEDIENEINHEITEN EINES KOHLEFÜLLWAGENS AN FÜLLÖFFNUNGEN EINES KOKSOFENS

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE POSITIONNEMENT D'UNITÉS DE COMMANDE D'UN CHARIOT DE CHARGEMENT DE CHARBON SUR DES OUVERTURES DE CHARGEMENT D'UN FOUR À COKE

Publication  
**EP 2247691 A1 20101110 (DE)**

Application  
**EP 09716110 A 20090218**

Priority  
• EP 2009001122 W 20090218  
• DE 102008011552 A 20080228

Abstract (en)  
[origin: WO2009106251A1] The invention relates to a method for the positioning of operating units of a coal filling cart at the filling openings of a coke oven, wherein a rail-guided coal filling cart is displaced on the oven ceiling of a coke oven and positioned at locations that are predetermined by a machine control for filling the oven chambers, and filling openings are associated with the oven ceiling, and wherein subsequently at least one operating unit of the coal filling cart is led toward the filling openings by means of horizontal biaxial actuating motions. According to the invention, the coordinates of at least one marking affixed to the oven ceiling, having a fixed association with the center line of one filling opening, are detected by means of an optical measuring method in a measuring field predetermined by the measuring method after each positioning of the coal filling cart, and are compared to reference values, which are stored for the markings in the machine control. Deviations between the coordinates measured and the coordinates stored in the machine control are determined for both axial directions. Difference values are then taken into consideration as correction values in the actuating motion of the operating unit. An object of the invention is also a device for carrying out the method described.

IPC 8 full level  
**C10B 31/04** (2006.01); **C10B 41/00** (2006.01)

CPC (source: EP US)  
**C10B 31/04** (2013.01 - EP US); **C10B 41/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009106251A1

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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009106251 A1 20090903**; AR 070712 A1 20100428; AU 2009218757 A1 20090903; AU 2009218757 B2 20150115; BR PI0907589 A2 20160712; CA 2715692 A1 20090903; CL 2009000444 A1 20100507; CN 101965390 A 20110202; CN 101965390 B 20130522; CO 6331363 A2 20111020; DE 102008011552 A1 20090924; DE 102008011552 B4 20120830; EP 2247691 A1 20101110; EP 2247691 B1 20160720; JP 2011513523 A 20110428; JP 5438693 B2 20140312; KR 101550948 B1 20150907; KR 20100127781 A 20101206; MX 2010009264 A 20101220; RU 2010139653 A 20120410; RU 2484120 C2 20130610; TW 200940946 A 20091001; TW I477733 B 20150321; UA 102842 C2 20130827; US 2010314234 A1 20101216; US 8821694 B2 20140902

DOCDB simple family (application)  
**EP 2009001122 W 20090218**; AR P090100704 A 20090227; AU 2009218757 A 20090218; BR PI0907589 A 20090218; CA 2715692 A 20090218; CL 2009000444 A 20090227; CN 200980106899 A 20090218; CO 10102870 A 20100820; DE 102008011552 A 20080228; EP 09716110 A 20090218; JP 2010547995 A 20090218; KR 20107020436 A 20090218; MX 2010009264 A 20090218; RU 2010139653 A 20090218; TW 98106042 A 20090225; UA A201011501 A 20090218; US 86690709 A 20090218