

Title (en)

METHOD AND DEVICE FOR REMOVING LOOSE MATERIAL ON WAVY SURFACES OF STAMPED COAL USED FOR COKING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESEITIGUNG VON LOCKEREM MATERIAL AUF WELLENFÖRMIGEN OBERFLÄCHEN  
GESTAMPFTER KOHLE FÜR DIE VERKOKUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ÉLIMINATION DE MATÉRIAU EN VRAC SUR DES SURFACES ONDULÉES DE CHARBON CONCASSÉ POUR  
COKÉFACTION

Publication

**EP 2035529 A1 20090318 (DE)**

Application

**EP 07764722 A 20070620**

Priority

- EP 2007005398 W 20070620
- DE 102006030524 A 20060701

Abstract (en)

[origin: US2009321242A1] According to the invention, the loose coal is displaced from the peaks to the valleys of the waves on the narrow, long coal cake and is beaten down on the coal cake. The inventive device comprises at least one scraper (12) and at least one vertically movable impact plate (13) that are disposed one behind another and are fitted with a connection (7) to a holder. Furthermore, means are provided for generating a relative movement between the scraper (12) and the impact plate (13) and between the scraper (12) and a stamping form. The scraper (12) and the impact plate (13) are interconnected by means of a device frame (14) so as to form a structural unit (6) that is connected to the holder. Preferably, the structural unit (6) can be moved along the stamping form and is equipped with a drive unit. For this purpose, the holder encompasses a guide that extends along the stamping form as well as a carriage or a car which can be slid or moved on said guide and to which the unit (6) is connected with the aid of a boom.

IPC 8 full level

**C10B 45/02** (2006.01); **C10B 31/10** (2006.01)

CPC (source: EP US)

**C10B 31/10** (2013.01 - EP US); **C10B 45/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2008003400A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**US 2009321242 A1 20091231**; **US 8029649 B2 20111004**; AT E535593 T1 20111215; AU 2007271508 A1 20080110;  
AU 2007271508 B2 20110728; BR PI0713973 A2 20121127; BR PI0713973 B1 20161018; CN 101484549 A 20090715;  
CN 101484549 B 20140312; DE 102006030524 A1 20080103; EA 013713 B1 20100630; EA 200900103 A1 20090630;  
EP 2035529 A1 20090318; EP 2035529 B1 20111130; EP 2035529 B8 20120314; UA 91916 C2 20100910; WO 2008003400 A1 20080110;  
ZA 200900037 B 20100428

DOCDB simple family (application)

**US 30882307 A 20070620**; AT 07764722 T 20070620; AU 2007271508 A 20070620; BR PI0713973 A 20070620; CN 200780024801 A 20070620;  
DE 102006030524 A 20060701; EA 200900103 A 20070620; EP 07764722 A 20070620; EP 2007005398 W 20070620;  
UA A200815182 A 20070620; ZA 200900037 A 20070620