

Title (en)
STATIONARY ACTUATION APPLIANCE FOR OPERATING STATIONARY COKE OVEN DOORS

Title (de)
STATIONÄRE BETÄTIGUNGSEINRICHTUNG ZUR BEDIENUNG VON STATIONÄREN KOKSOFENTÜREN

Title (fr)
DISPOSITIF D'ACTIONNEMENT D'EMPLACEMENT FIXE DESTINÉ À COMMANDER DES PORTES DE FOURS À COKE D'EMPLACEMENT FIXE

Publication
EP 2215190 A1 20100811 (DE)

Application
EP 08855370 A 20081113

Priority
• EP 2008009564 W 20081113
• DE 102007057412 A 20071127

Abstract (en)
[origin: WO2009068183A1] The invention relates to a drive mechanism for vertical opening and closing of coke oven doors of horizontal coke oven chambers. The doors are lifted into the open position via a chain or a cable. The cable or the chain are connected to an actuation lever via deflection pulleys. The cable or chain can be pulled horizontally so that the doors are lifted up vertically via deflection pulleys. The actuation lever is connected to a lifting eye which, after actuation of the actuation lever, can engage into the grab boss of a grab car. The grab car is driven via a tow line and after the actuation of the actuation lever, pulls the door into the open position. The door can be held in the open position via a suitable mechanism.

IPC 8 full level
C10B 25/12 (2006.01); **C10B 15/02** (2006.01); **C10B 25/14** (2006.01); **E05F 15/60** (2015.01)

CPC (source: EP US)
C10B 25/12 (2013.01 - EP US); **C10B 25/14** (2013.01 - EP US)

Citation (search report)
See references of WO 2009068183A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009068183 A1 20090604; AP 2010005237 A0 20100430; AP 3037 A 20141130; AR 069750 A1 20100217; AU 2008329200 A1 20090604; AU 2008329200 B2 20121018; CA 2705867 A1 20090604; CL 2008003542 A1 20090724; CN 101874098 A 20101027; CN 101874098 B 20141126; CO 6210697 A2 20101020; DE 102007057412 B3 20090820; EG 25420 A 20120102; EP 2215190 A1 20100811; JP 2011504948 A 20110217; JP 5517948 B2 20140611; KR 101607342 B1 20160329; KR 20100089087 A 20100811; MX 2010005748 A 20100611; MY 154812 A 20150731; RU 2010126159 A 20120110; RU 2482157 C2 20130520; TW 200936744 A 20090901; TW I456039 B 20141011; UA 97032 C2 20111226; US 2011023374 A1 20110203; ZA 201003710 B 20110428

DOCDB simple family (application)
EP 2008009564 W 20081113; AP 2010005237 A 20081113; AR P080105139 A 20081126; AU 2008329200 A 20081113; CA 2705867 A 20081113; CL 2008003542 A 20081127; CN 200880117787 A 20081113; CO 10051013 A 20100429; DE 102007057412 A 20071127; EG 2010050872 A 20100526; EP 08855370 A 20081113; JP 2010535265 A 20081113; KR 20107011055 A 20081113; MX 2010005748 A 20081113; MY PI20101764 A 20081113; RU 2010126159 A 20081113; TW 97144463 A 20081118; UA A201007874 A 20081113; US 73483808 A 20081113; ZA 201003710 A 20100525