

Title (en)  
MECHANISM FOR THE AUTOMATABLE LATCHING OF DOORS OR DOOR BODIES OF HORIZONTAL COKE OVEN CHAMBERS

Title (de)  
MECHANISMUS ZUR AUTOMATISIERBAREN VERRIEGELUNG VON TÜREN ODER TÜRKÖRPERN HORIZONTALER KOKSOFEKAMMERN

Title (fr)  
MÉCANISME DE VERROUILLAGE AUTOMATIQUE DE PORTES OU DE CORPS DE PORTE DE CHAMBRES HORIZONTALES DE FOURS À COKE

Publication  
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Application  
**EP 08853630 A 20081113**

Priority  
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Abstract (en)  
[origin: WO2009068184A1] The invention relates to a device for latching horizontal coke oven chambers which is triggered by an auxiliary frame situated on the coke oven chamber door. The auxiliary frame is moveable to a limited extent in the vertical direction on the coke oven chamber doors. During the upwards movement, the auxiliary frame impacts at the top against the impact cam which is fixed on the door of the coke oven chamber and which transmits the vertical tension force to the oven doors. During the upwards movement, the auxiliary frame actuates levers which are moveable so as to be able to rotate about an axis located orthogonally to the coke chamber oven and which are connected to a latch which is freely moveable in a translatable manner. When the lever is actuated it pulls the latch out of latch holding bearings which are mounted on the coke oven chamber door in such a manner that the coke oven chamber door can be unlatched and opened. The coke oven chamber door, in one embodiment of the invention, can be held in the open or closed position by means of a device which is suitable therefor.

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