Title (en)

DEVICE FOR FILLING OVEN CHAMBERS OF A COKE OVEN

Title (de)

VORRICHTUNG ZUM BEFÜLLEN VON OFENKAMMERN EINES KOKSOFENS

Title (fr)

SYSTÈME DE CHARGEMENT DE CHAMBRES DE CARBONISATION D'UN FOUR À COKE

Publication

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Application

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Abstract (en)

[origin: WO2009100815A2] The invention relates to a device for filling oven chambers of a coke oven. The fundamental construction of the device includes a horizontal transport screw (1) disposed on the underside of a coal filling cart, a filling telescope (2) disposed below an outlet (3) of the horizontal transport screw and having an inlet funnel (4) and telescope base (6) that can be vertically lowered in the oven cover of the coke oven, and a lifting device (7) for vertically adjusting the telescope base (6). The filling telescope (2) can be adjusted in two orthogonal axes (X, Y) relative to the coal filling cart for adapting to the current position of the filling openings (5). According to the invention, the inlet funnel (4) of the filling telescope (2) and the lifting device (7) connected to the telescope base are mounted on a support frame (8) disposed linearly adjustably along a first axis (X) within a transport frame (9). The transport frame (9) is disposed horizontally displaceably along a second axis (Y) on rails (10) mounted on the underside of the coal filling cart. A seal (11) is disposed on the top side of the support frame (8), encompassing the inlet funnel (4) of the filling telescope (2), working together with a horizontal flange surface (12) on the circumference of the outlet (3) of the horizontal transport screw (1) and allowing horizontal adjustment motions of the inlet funnel (4) relative to the outlet (3) of the horizontal transport screw.

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