

Title (en)

REFRACTORY LINING OF COKE OVEN DOORS IN TWO SPACED LAYERS SO AS TO CREATE A ROOMY GAS FLUE CHAMBER

Publication

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Application

EP 88101307 A 19880129

Priority

IT 1246487 A 19870415

Abstract (en)

[origin: EP0286786A1] This Patent covers the refractory lining of coke-oven doors consisting of 2-layer elements (1, 2) one of these layers being in touch with the door (3) and the other with the coke, the two layers being spaced so as to create a roomy hollow space or chamber (4) for a better upwards discharge of the coke oven gas without external losses, each element being provided with section iron mounting (7, 8) and bolts (9, 11, 12) for assembly of the two layers (1, 2) and to secure the element to the oven door (3). The various elements have different thickness so as to create a slope in the coke wall apt to prevent the coke from sliding down. The two layers are in different materials, i.e. layer 2 in touch with the coke has excellent mechanical properties, whereas the layer in contact with the door (3) has excellent insulating characteristics. (Fig. 3).

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