

Title (en)

Refractory lining of coke oven doors in two spaced layers so as to create a roomy gas flue chamber.

Title (de)

Feuerfeste Auskleidung für Koksofentüren aus zwei mit Zwischenraum angeordneten Schichten, so dass ein geräumiger Gasabführungsraum entsteht.

Title (fr)

Garnissage réfractaire pour portes de fours à coke en deux couches écartées en créant ainsi une chambre spacieuse d'évacuation des gaz.

Publication

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Application

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Priority

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Abstract (en)

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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C10B 25/06

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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