

Title (en)

Door for coke oven with horizontal chambers.

Title (de)

Koksofentüren für Horizontalkammerverkokungsöfen.

Title (fr)

Porte pour four à coke à chambres horizontales.

Publication

EP 0114183 A2 19840801 (DE)

Application

EP 83107776 A 19830808

Priority

DE 3301877 A 19830121

Abstract (en)

1. Coke oven door for a coke oven with horizontal chambers, comprising a door plug, serving also as heat protection, penetrating into the oven chamber and connected with the door body, by which plug the furnace charge is held at a certain distance from the door body, wherein the door body, during the carbonization or coking operation, is pressed by at least one locking device onto the door frame of the oven, wherein the door body consists of a force transmitting unit and a sealing unit, the sealing unit is held, for the purpose of tapping the oven, at at least one position in the force transmitting unit and the sealing unit possesses a sealing element which, in the closed position of the oven doors, is held by the force transmitting unit closingly against the door frame, characterized in that the sealing unit (2) carries the door plug and is held by the force transmitting unit (1) alone against the edge in the closed position.

Abstract (de)

Erfindungsgemäß wird eine extreme Leichtbauweise für Koksofentüren bei gleichzeitiger optimaler Abdichtung dadurch möglich, daß die Ofentür aus einer Dichtungseinheit und einer die Verriegelungskräfte auf die Dichtungseinheit übertragenden Kraftübertragungseinheit besteht, wobei Wärmebrücken zwischen beiden Einheiten nach Möglichkeit vermieden werden.

IPC 1-7

C10B 25/16

IPC 8 full level

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EP 83107776 A 19830808; AU 2361684 A 19840119; BR 8306726 A 19831207; CA 445779 A 19840120; DE 3375927 T 19830808; PL 24428783 A 19831025; SU 3686349 A 19840102; ZA 835098 A 19830713