

Title (en)
LIGHT CONSTRUCTION COKE OVEN DOOR

Publication
EP 0124813 B1 19881123 (DE)

Application
EP 84104527 A 19840421

Priority
• DE 3316247 A 19830504
• DE 3344976 A 19831213

Abstract (en)
[origin: US4647342A] A lightweight, flexible oven door for horizontal coke ovens consisting of a thin-walled, flexible sealing plate, door body, a coking plate assembly extending into the oven from the sealing plate door body, knife edges mounted on the inner periphery of the sealing plate door body and adapted to be pressed against the coke oven door frame, and a plurality of flexible pressure-balancing lever systems that cooperate with the door locking bar assemblies and locking hooks. Each of the flexible pressure-balancing lever systems applies pressure at several points along the outer periphery of the sealing plate door body to press the knife edges on the underside thereof against the door frame to seal the oven against the atmosphere. Each of the pressure balancing lever systems includes a plurality of flexibly interconnected levers.

IPC 1-7
C10B 25/06

IPC 8 full level
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CPC (source: EP US)
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Cited by
CN107228569A; EP0321640A1

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EP 0124813 A2 19841114; EP 0124813 A3 19860219; EP 0124813 B1 19881123; DE 3344976 A1 19841108; DE 3344976 C2 19850228; DE 3475319 D1 19881229; HU 192017 B 19870428; HU T37453 A 19851228; US 4647342 A 19870303

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EP 84104527 A 19840421; DE 3344976 A 19831213; DE 3475319 T 19840421; HU 171284 A 19840503; US 60650984 A 19840503