

Title (en)
DOOR PLUG FOR COKE OVEN DOORS

Publication
EP 0186774 A3 19870204 (DE)

Application
EP 85114837 A 19851122

Priority
DE 3447187 A 19841222

Abstract (en)
[origin: EP0186774A2] 1. Door plugs for coke oven doors, which are of ceramic material and are held at a distance from the coke oven door, the door plug, in the operating condition, penetrating into the oven chamber and keeping the oven charge at a certain distance from the door body and the door body being pressed, during the coking operation, by a locking device against the door frame of the oven, characterized by the use of ceramic plates (1) of hydraulically setting refractory concrete, the essential constituents of which are aluminium oxide (Al₂O₃) in a proportion of 40-55 %, silicon dioxide (SiO₂) in a proportion between 40 and 50 % and iron oxide (Fe₂O₃) in a proportion between 0.5 and 1.5 %, the plates having a thickness from 35 to 120 mm.

IPC 1-7
C10B 25/06

IPC 8 full level
F27D 1/18 (2006.01); **C10B 25/02** (2006.01); **C10B 25/06** (2006.01)

CPC (source: EP)
C10B 25/06 (2013.01)

Citation (search report)
• [A] DE 493115 C 19300304 - STETTINER CHAMOTTE FABRIK ACT
• [A] DE 456095 C 19280215 - WILLI HENCKE
• [AD] US 4086145 A 19780425 - MULLER JOSEPH M
• [A] DE 3105703 A1 19820624 - WSW STAHL & WASSERBAU GMBH [DE]
• [A] US 4217177 A 19800812 - BROWN HARRY B JR [US], et al

Cited by
DE102007058473A1; DE3740927C1; EP0562037A4; DE102007058473B4; AP3012A; EP2762549A1; US8821693B2

Designated contracting state (EPC)
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EP 85114837 A 19851122; AU 5134685 A 19851217; BR 8506418 A 19851220; CA 498235 A 19851220; DE 3447187 A 19841222; DE 3565853 T 19851122; JP 28320285 A 19851218; SU 3990065 A 19851218