

Title (en)
Door plug for coke oven doors.

Title (de)
Türstopfen für Koksofentüren.

Title (fr)
Bouchon pour porte de four à coke.

Publication
EP 0186774 A2 19860709 (DE)

Application
EP 85114837 A 19851122

Priority
DE 3447187 A 19841222

Abstract (en)
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.

Abstract (de)
Nach der Erfindung bestehen keramische Türstopfen an Koksofentüren aus einer 50 bis 100 mm dicken Platte, die im Abstand von der Koksofentür gehalten ist.

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)

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

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0186774 A2 19860709; EP 0186774 A3 19870204; EP 0186774 B1 19881026; AU 5134685 A 19860626; AU 579911 B2 19881215; BR 8506418 A 19860902; CA 1270460 A 19900619; DE 3447187 A1 19860703; DE 3565853 D1 19881201; JP 2641094 B2 19970813; JP S61155489 A 19860715; SU 1616521 A3 19901223

DOCDB simple family (application)
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