

Title (en)  
DOOR PLUG FOR COKE OVEN DOORS

Publication  
**EP 0186774 B1 19881026 (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 (Al<sub>2</sub>O<sub>3</sub>) in a proportion of 40-55 %, silicon dioxide (SiO<sub>2</sub>) in a proportion between 40 and 50 % and iron oxide (Fe<sub>2</sub>O<sub>3</sub>) 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)

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

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**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

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