

Title (en)
COKE OVEN

Publication
EP 0089623 A3 19850109 (DE)

Application
EP 83102630 A 19830317

Priority
DE 3210108 A 19820319

Abstract (en)
[origin: ES279838U] A pair of adjacent horizontal coking chambers of a coke-oven battery are separated by a longitudinal wall with a multiplicity of vertical heating ducts, the wall being built from blocks which form two parallel frameworks defining the ducts between them. Each framework consists of longitudinal and transverse refractory blocks-preferably of silica-leaving rectangular apertures open toward the ducts and the chambers, these apertures being occupied by refractory plates of lower thermal resistance than the blocks. The transverse blocks of the two frameworks extend overlappingly between the ducts and have interfitting formations holding the frameworks together. The lower thermal resistance of the plates may be achieved by a reduction in wall thickness, compared with that of the over- and underlying longitudinal blocks, and/or by the choice of a more highly heat-conductive material therefor, preferably silicon carbide in the latter case, tongue-and-groove joints between the frameworks and the plates should leave gaps sufficient for relative thermal expansion which may be filled with grouting and/or elastic inserts.

IPC 1-7
C10B 29/02

IPC 8 full level
C10B 5/00 (2006.01); **C10B 29/02** (2006.01)

CPC (source: EP US)
C10B 29/02 (2013.01 - EP US)

Citation (search report)

- [A] FR 1551842 A 19681227
- [AD] DE 143332 C
- [A] US 3792769 A 19740219 - ECHTERHOFF H

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0089623 A2 19830928; EP 0089623 A3 19850109; EP 0089623 B1 19861008; AU 1259383 A 19830922; AU 551055 B2 19860417; BR 8301382 A 19831129; DE 3210108 A1 19830922; DE 3366704 D1 19861113; ES 279838 U 19850416; ES 279838 Y 19851116; JP S58168684 A 19831005; US 4565605 A 19860121

DOCDB simple family (application)
EP 83102630 A 19830317; AU 1259383 A 19830318; BR 8301382 A 19830318; DE 3210108 A 19820319; DE 3366704 T 19830317; ES 279838 U 19830318; JP 3607483 A 19830307; US 47652783 A 19830318