

Title (en)
FUMES COLLECTING HOOD FOR COKE OVENS

Publication
EP 0047841 A3 19820922 (DE)

Application
EP 81105726 A 19810721

Priority
DE 3034391 A 19800912

Abstract (en)
[origin: US4382842A] A smoke collecting hood traversable on the oven platform along a coke oven battery covers the space in which the pushed coke cake drops into a quenching car while parked in front of the oven chamber. A distributor is suspended from the roof of the hood. The distributor includes metal sheets receding from a central vertical edge facing the oven. The sheets widen outwardly toward the bottom. A linkage is mounted on the distributor at the side remote from the oven to extend through the outer wall of the hood. Outside the hood, a drive is coupled to the linkage to pivot the distributor member about a horizontal axis. The distributor is vertically positioned at the start of the pushing operation so that its vertical front edge cuts through the coke cake and the coke slides down the sides of the distributor into the front and rear parts of the quenching car. Near the end of the pushing operation, the distributor is pivoted rearwardly and the remainder of the coke cake falls into the middle part of the quenching car.

IPC 1-7
C10B 33/00

IPC 8 full level
C10B 45/00 (2006.01); **C10B 33/00** (2006.01)

CPC (source: EP US)
C10B 33/003 (2013.01 - EP US)

Citation (search report)

- [X] US 4213827 A 19800722 - CALDERON ALBERT [US]
- [Y] US 4053068 A 19771011 - GIDICK WARD FRANCIS
- [Y] US 4142942 A 19790306 - CALDERON ALBERT
- [A] DE 490950 C 19300205 - FRITZ ALBACH DIPL ING
- [A] US 4123334 A 19781031 - EMERY WILLIAM G

Designated contracting state (EPC)
BE FR GB IT

DOCDB simple family (publication)
EP 0047841 A2 19820324; EP 0047841 A3 19820922; EP 0047841 B1 19840718; DE 3034391 A1 19820429; DE 3034391 C2 19880804; JP S5753586 A 19820330; US 4382842 A 19830510

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