

Title (en)
Coke oven service machine

Title (de)
Kokereibedienungsmaschine

Title (fr)
Machine de service d'une batterie de four à coke

Publication
EP 0997516 A3 20010321 (DE)

Application
EP 99121284 A 19991026

Priority
DE 19850288 A 19981030

Abstract (en)
[origin: EP0997516A2] The door siphon (7) and/or the coke cake guide (9) and/or the cleansing chamber (10) and/or the pressure lid are rotatable about the oven axis (M) of each coking chamber (3) or an axis parallel to the oven axis (M). Coke oven servicing apparatus of a coke oven servicing machine for a coking oven (2) has several coking chambers (3) arranged next to each other. The coke oven servicing machine is transportable along the coking chamber in the battery axis (L) direction. The coke oven servicing machine has (a) a door siphon (7) with door siphon device (4) for servicing individual oven doors (8) of the coking chamber, where the siphon door is transportable transversely to the battery axis (L) in the direction of the individual coking chamber and/or (b) a coke cake guide (9) with coke cake guide device (5), where the coke cake guide is transportable transversely to the battery axis in the direction of the individual coking chambers and/or (c) a cleaning chamber device (6) with a cleaning chamber (10) for cleaning of the chambers of individual coking chambers, where the cleaning chamber is transportable transversely to the battery axis in the direction of the individual coking chambers and/or (d) a pressure lid having coke ejection device for squeezing out of coke from the individual coking chambers, where the pressure lid is transportable transversely to the battery axis in the direction of the individual coking chamber.

IPC 1-7
C10B 25/12; C10B 33/14; C10B 43/04; C10B 33/10

IPC 8 full level
C10B 29/00 (2006.01); **C10B 25/12** (2006.01); **C10B 33/10** (2006.01); **C10B 33/14** (2006.01); **C10B 43/04** (2006.01)

CPC (source: EP KR)
C10B 25/12 (2013.01 - EP); **C10B 29/00** (2013.01 - KR); **C10B 33/10** (2013.01 - EP); **C10B 33/14** (2013.01 - EP); **C10B 43/04** (2013.01 - EP)

Citation (search report)

- [X] DE 1179538 B 19641015 - PINTSCH BAMAG AG
- [X] DE 2722879 B1 19780824 - RUWE RUTH WELKE FA
- [X] US 4270982 A 19810602 - LAKIN IRA, et al
- [X] DE 3042107 A1 19820624 - KORITSU MACHINE IND LTD [JP]
- [X] EP 0098565 A2 19840118 - GEWERK SCHALKER EISENHUETTE [DE]
- [X] DE 1920603 B1 19701112 - HARTUNG KUHN & CO MASCHF [DE]
- [X] DE 1225142 B 19660922 - KOPPERS GMBH HEINRICH

Cited by
WO2015070836A1

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EP 0997516 A2 20000503; EP 0997516 A3 20010321; EP 0997516 B1 20030625; AR 014083 A1 20010131; AT E243732 T1 20030715; BR 9905338 A 20000905; DE 19855752 C1 20000713; DE 19855752 C2 20020523; DE 59906077 D1 20030731; ES 2199513 T3 20040216; KR 100348941 B1 20020814; KR 20000029380 A 20000525; SI 0997516 T1 20031031

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