

Title (en)

DEVICE FOR LIFTING AND REPLACING CHARGING HOLE LIDS OF HORIZONTAL CHAMBER COKE OVENS AND FOR CLEANING THE SEALING SURFACES

Publication

**EP 0124814 B1 19880817 (DE)**

Application

**EP 84104528 A 19840421**

Priority

DE 3316936 A 19830509

Abstract (en)

[origin: US4515660A] Apparatus for removing charging hole covers and for cleaning sealing surfaces is carried by a charging car that is movable along an oven roof of a battery of horizontal coke oven chambers. The apparatus includes a support member carried by guides for vertical movement on the charging car. A pivot head is carried by a shaft to pivot about a first axis on the support member. The first axis is inclined at an angle of 45 DEG to vertical. A magnetic gripper is carried by a shaft to rotate about a second axis on the pivot head. A charging hole frame cleaner includes a cleaning tool carried by a shaft to rotate about a third axis on the pivot head. The second and third axes are disposed in a plane at an angle to one another on opposite sides of the first axis and coplanar with the first axis. The parts are arranged such that the pivot head simultaneously positions a charging hole cover while carried by the gripper in alignment with a cleaner for sealing surfaces on the cover while a cleaner for the charging hole frame and charging hole is aligned for cleaning the sealing surfaces and the charging hole.

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**C10B 25/20**; **C10B 43/06**

IPC 8 full level

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CPC (source: EP US)

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