

Title (en)

Charging car for charging the chambers of a coke oven battery

Title (de)

Kohlefüllwagen zum Befüllen von Verkokungskammern einer Koksofenbatterie

Title (fr)

Chariot pour le chargement des chambres d'une batterie de fours à coke

Publication

EP 0903393 A3 19990818 (DE)

Application

EP 98115886 A 19980822

Priority

- DE 19741875 A 19970923
- DE 19743868 A 19971004

Abstract (en)

[origin: EP0903393A2] Coal wagon for filling coking chambers of a coke oven battery has horizontally moving screw conveyor housing under the bottom outlet of the wagon. The housing (5) of the screw conveyor (2) is horizontally movable below the bottom outlet (1) of the coal wagon. It is provided with a positioning drive (11) which moves it between two positions. In the exit position the outlet connection (6) of the housing is offset from the filling hole (10) of the coking chamber, while in the filling position it is substantially aligned with the filling hole. The conveyor housing (5) is provided with a top cover plate (17) which in the exit position of the conveyor closes the wagon outlet (1) so that no coal is spilled on the covering of the coking chambers. The outlet connection is provided with a blocking element (18) which operable by means of a cylinder unit (19) attached to the conveyor. The telescopic pipe (9) is operated by a mechanism (20) attached to the circumference of the outlet connection (6). The conveyor housing is movable on rails (12). The lid lifting mechanism (3) is movable along rails (14) running parallel to the rails (12). The steel substructure of the wagon carries a hydraulic or an electromechanical for positioning the conveyor housing and the lid lifting mechanism. A vertically movable mechanism at the end of the conveyor housing serves for cleaning the filling hole frame and its lid.

IPC 1-7

C10B 31/04

IPC 8 full level

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CPC (source: EP US)

C10B 25/24 (2013.01 - EP US); **C10B 31/04** (2013.01 - EP US); **F27D 3/00** (2013.01 - EP US); **F27D 3/06** (2013.01 - EP US); **F27D 3/08** (2013.01 - EP US); **F27D 2021/023** (2013.01 - EP US)

Citation (search report)

- [XY] DE 2545265 A1 19770414 - STILL FA CARL
- [Y] DE 1671354 A1 19710909 - STILL FA CARL
- [Y] DE 2922571 A1 19801211 - OTTO & CO GMBH DR C
- [A] DE 2509222 A1 19760916 - STILL FA CARL
- [A] FR 2476114 A1 19810821 - GEWERK SCHALKER EISENHUETTE [DE]

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