

Title (en)

Closing device for coke oven battery

Title (de)

Verschlusseinrichtung einer Koksofenbatterie

Title (fr)

Dispositif de fermeture d'une batterie de fours à coke

Publication

**EP 1138748 A3 20021106 (DE)**

Application

**EP 01102238 A 20010131**

Priority

DE 20001816 U 20000202

Abstract (en)

[origin: EP1138748A2] The closure unit (10) is for closure of a pipe opening (12) surrounded by a closure seat (18) with a first ring-shaped sealing surface mating with a second, also ring-shaped sealing surface of a closure element (16). The first sealing surface takes the form of a circular ring, and the second sealing surface forms a part of a sphere. Preferred Features: The closure element (16) is joined to a closure mechanism (20) by a Cardan or spherical joint (38). It is floatably mounted on the seat (18). It is pressed against the seat by a force which, in particular, has a constant value. Such a force is produced by means of a load (56) located vertically above the closure element (16). The first sealing surface is a ring-shaped sealing edge. The second sealing surface is shaped in such a way that it faces away from the pipe opening (12). The seat takes the form of a seating strip (22), while the closure element has a sealing strip (30). Both elements are changeable.

IPC 1-7

**C10B 27/06**

IPC 8 full level

**C10B 27/06** (2006.01)

CPC (source: EP)

**C10B 27/06** (2013.01)

Citation (search report)

- [X] DE 7914320 U1 19790809
- [A] DE 2230087 A1 19740328 - KOPPERS GMBH HEINRICH
- [A] DE 2715995 B1 19780105 - DIDIER ENG

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**DE 20001816 U1 20000323**; EP 1138748 A2 20011004; EP 1138748 A3 20021106

DOCDB simple family (application)

**DE 20001816 U 20000202**; EP 01102238 A 20010131