

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