

Title (en)  
COKE OVEN LOADING APPARATUS

Publication  
**EP 0011673 B1 19840125 (EN)**

Application  
**EP 79102124 A 19790626**

Priority  
IT 3022378 A 19781127

Abstract (en)  
[origin: EP0011673A1] An improved apparatus for loading coke ovens arranged in parallel row gangs and provided with loading mouths, having:  
a) a portal shaped welded and bolted bearing structure (2) provided with two-wheel (3,3') driving carriages (1), one said wheel (3) being a driving wheel; b) loading hoppers (4) of number corresponding to that of the oven loading mouths (11) and provided with a loading shutter element (7) ; c) vertically movable oleodynamically driven loading funnels (9), each said loading funnel (9) being located at the lower portion of each said hopper (4), and being provided with an oleodynamically driven closure ball valve (12) and with a ring (10) effective to fit and tightly engage against the corresponding frame of said loading mouths (11) ; d) a bridge collacting or connecting tube (16), located at the side lower portion of said bearing structure, at the side thereof thereinto the coke is discharged, said bridge connecting tube (16) being effective to be vertically moved by means of an automatic type of hydraulic driving means, and effective to connect a mouth (17) of the oven to be loaded, as suitably formed at the coke discharging side, to a like mouth (18) formed in the adjacent oven, this latter being preferably in an advanced distilling step, and e) electric and hydrodynamic devices, for automatically carrying out the overall loading cycle, and a photoelectric cell device for automatically aligning said hoppers with the corresponding loading mouths.

IPC 1-7  
**C10B 31/04**; **C10B 27/04**

IPC 8 full level  
**C10B 27/04** (2006.01); **C10B 31/04** (2006.01)

CPC (source: EP)  
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Cited by  
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