

Title (en)

A LOCKING DEVICE FOR COUPLING CONTAINERS AND THE LIKE TO RAILWAY TRUCKS

Publication

**EP 0131984 B1 19871202 (EN)**

Application

**EP 84200889 A 19840620**

Priority

IT 211583 A 19830620

Abstract (en)

[origin: EP0131984A2] It is disclosed a looking device which allows the same single railway-truck to carry either containers and/or mobile boxes of traditional structure, having thus the standard flat bottom, or that special type of mobile boxes having a "tunnel" bottom which have a larger loading capability but, owing to said "tunnel" bottom, are presently susceptible and foreseen to be transported only by road by suitable road-trucks. The height of the loading platform in conventional railway-trucks is in fact such as not to allow said special mobile boxes with a "tunnel" bottom to be transported because said special mobile boxes have a height exceeding that of the traditional containers and consequently the total height of said special boxes, once loaded upon a standard railway-truck, would be such as to exceed the standard allowed height in the railway-traffic. The device according to the present invention, exploiting the form of the "tunnel" at the bottom of said special boxes, allows said special boxes to be transported by a railway-truck where the longitudinal main frame of said truck, which constitutes the loading platform, may be comprised inside the dimension of said "tunnel", i.e. inside the two longitudinal main frame members of said "tunnel" bottom. The looking device comprises two plates supporting each a dowel: the first one being a fixed plate (2) solidarily jointed to a supporting shaft and providing a lower-level loading surface whereby a fixed dowel (3) is provided for coupling said mobile boxes having a "tunnel" bottom on to said railway-trucks; the second one being a mobile plate (4) carrying a mobile dowel (5), said mobile plate (4) being sliding fitted to said supporting shaft and providing a higher-level loading surface whereby said mobile dowel (5) is provided for coupling thereon containers and/or mobile boxes having the standard flat bottom. The mobile plate (4) supporting the mobile dowel (5) may assume various working and/or non-working positions whereby said working positions of said mobile plate (4) may or not overlap the position of said fixed plate (2). Said mobile plate (4) may also be tilted in a non-working position so as to ensure said railway-trucks equipped with said looking device to provide the largest flexibility in carrying either standard or special containers and/or mobile boxes; said special containers and/or mobile boxes being presently foreseen for transport by road only being of the type with a "tunnel" bottom. According to a preferred embodiment, said looking device makes it possible to lower the loading platform surface, for said special mobile boxes with a "tunnel" bottom, about 170 mm. below the standard level of a loading platform in a conventional railway-truck and this without any substantial modification to the standard main frame of said railway-trucks.

IPC 1-7

**B61D 3/16**

IPC 8 full level

**B61D 3/16** (2006.01); **B61D 45/00** (2006.01)

CPC (source: EP)

**B61D 45/007** (2013.01)

Cited by

FR2704820A1; DE4411368A1; DE19507603A1; DE19507603C2; DE4315974A1; EP0292369A1; DE4309683A1; EP0616938A1; EP0572849A1; EP0574047A3

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

**EP 0131984 A2 19850123; EP 0131984 A3 19851211; EP 0131984 B1 19871202**; AT E31168 T1 19871215; DE 3467871 D1 19880114; IT 1172512 B 19870618; IT 8302115 A0 19830620

DOCDB simple family (application)

**EP 84200889 A 19840620**; AT 84200889 T 19840620; DE 3467871 T 19840620; IT 211583 A 19830620