

Title (en)
CARRIER PLATE WITH A CLAMPING DEVICE

Publication
EP 0163219 B1 19880824 (DE)

Application
EP 85106123 A 19850518

Priority
DE 3419878 A 19840528

Abstract (en)
[origin: EP0163219A1] 1. Carrier plate, particularly for a truck or pallet, with clamping means for objects which may be secured to the plate (13) which has a through-opening (14), consisting of a clamping device arranged below the plate (13), this clamping device comprising a clamping lever, in the form of a hook (1"), as the means for connecting two hinged members (2, 3), the clamping device forming, with these hinged members, a four-membered gear unit mounted on a mounting plate (13') for the clamping device, the clamping lever (1) with its clamping part (1') projecting over the hinge (4) of one hinged member (3), a movable driving member being provided on the gear unit, characterised in that the two hinged members (2, 3) are pivotably mounted as rocker arms on the mounting plate (13') by means of their hinges (9, 10) remote from the clamping lever and with this mounting plate and the clamping lever (1) they form a double rocker arm, in that the other two hinges (4, 5) of the rocker arms are pivotably but fixedly connected to the clamping lever (1), in that the two hinged members (2, 3) are mounted so as to be jointly pivotable in the same direction both towards and away from the plate (13), in that the clamping lever (1) guided by the members (2, 3) is mounted so as, in the retracted position, to be parallel or substantially parallel, and, in the clamping position, perpendicular or substantially perpendicular to the plate (13) and in that the driving member (6) of the hinged rectangle is in the form of a toggle lever actuator (6').

IPC 1-7
B25B 5/12

IPC 8 full level
B25B 5/12 (2006.01); **B23Q 3/08** (2006.01)

CPC (source: EP)
B25B 5/12 (2013.01); **B25B 5/122** (2013.01)

Cited by
CN106736746A; US6102383A; CN110948424A; EP1386697A3; CN103753447A; CN102922451A; CN104385181A; EP0937545A1; CN108994128A; CN105458976A; CN112937903A; FR2757437A1; US6186517B1; EP1498223A1; CN109128939A; US5853211A; US5938259A; CN109158922A; EP4159374A1; EP0747172A1; US6115898A; CN111906562A; DE102020003577B3; US7178797B2; WO9828110A1; US11759915B2; US11103269B2

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