

Title (en)
FORKLIFT WITH REACH MECHANISM

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Application
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NL 8802712 A 19881104

Abstract (en)
[origin: EP0367356A1] Forklift (1) comprising a frame (2), which supports a mast (4), a load bearer (5) with load gripping means such as forks (6) and drive means (7) gripping onto the load bearer (5) for moving the load bearer (5) up and downward along the mast (4), wherein the load bearer (5) comprises a reach mechanism construction (8) having a auxiliary mast (23) movably guided along the mast (4), a reach mechanism mast (22) supporting the load gripping means (6) and two pairs of mechanism levers, which each comprise two mechanism levers (9, 10) which are connected with their bottom end in a fixed point of rotation (11, 12) to respectively the auxiliary mast (23) or the reach mechanism mast (22) and with their top end (13, 14) to the other mast in a point of rotation slidable therealong, and which are connected to each other in a pivoting point (16) lying between the ends. The pivoting point (16) of each pair of mechanism levers (9, 10) is provided out of the centre between the points of rotation at the ends and that the constituent parts of the auxiliary mast (23), the reach mechanism mast (22) and the mechanism levers (9, 10) are positioned mutually adjacent in the direction transversely of the reach direction, such that in the retracted position the axes of the points of rotation of each pair of mechanism levers (9, 10) lie moved vertically in relation to each other and the parts of the auxiliary mast (23), the reach mechanism mast (22) and the mechanism levers (9, 10) fall substantially inside the main mast (4).

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Cited by
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