

Title (en)
MOBILE LOADING MACHINE WITH FRONT LOADING EQUIPMENT

Title (de)
MOBILE LADEMASCHINE MIT FRONTLADEAUSRÜSTUNG

Title (fr)
MACHINE DE CHARGEMENT MOBILE A EQUIPEMENT DE CHARGEMENT FRONTAL

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Abstract (en)
[origin: WO9935344A1] The invention relates to a mobile loading machine with front loading equipment, especially a construction machine. The inventive loading machine has a lifting frame (1) which is mounted with its rear end on a front frame part (13) of the loading machine (L), in such a way that it can pivot in a lifting frame pivot point (14). Said lifting frame (1) can be raised and lowered by means of at least one lifting cylinder (2). A working shovel (5), fork (5') or similar is connected to the front end of the lifting frame(1) in a shovel pivot point (6) and a tilt lever (3) is connected in a middle area of the lifting frame (1) in a tilt lever pivot point (15). The bottom end of the tilt lever (3) is flexibly connected to a tilt ram (7) in a tilt ram articulation point (8). At the other end, said tilt ram (7) is connected to a frame part (13) in a tilt ram pivot point (11). The top end of the tilt ram (7) is connected to a tilt bar (4) in a tilt bar pivot point (17). The tilt bar (4) is connected to the working shovel (5) by its other end, in a tilt lever articulation point (21) above the shovel pivot point (6). The aim of the invention is to improve the kinematics system. This is achieved by means of special geometrical ratios.

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