

Title (en)  
LOAD-HANDLING VEHICLE

Title (de)  
LASTHANDHABUNGSFAHRZEUG

Title (fr)  
ENGIN DE MANUTENTION DE CHARGE

Publication  
**EP 4110720 B1 20231220 (FR)**

Application  
**EP 21707329 A 20210201**

Priority  
• FR 2001826 A 20200225  
• FR 2021050178 W 20210201

Abstract (en)  
[origin: WO2021170929A1] Load-handling vehicle (18) comprising a chassis (2), a pivoting lifting arm (3), a device (13) for measuring the inclination angle (Y) of the arm (3), an accessory (5) which can be positioned at the end of the arm (3), and at least one actuator (61, 62) which is coupled to the chassis (2) and to the arm (3), respectively. The vehicle (1) comprises: - a device (12) for measuring the load (R) exerted by the arm (3) on the pivot pin (4) of the arm (3), - a device (71, 72) for establishing the inclination angle ( $\alpha$ ;  $\beta$ ) of each actuator (61, 62), a device (81, 82) for measuring the load (L; C) exerted by the actuators (61, 62) on the arm (3), - a weighing system (9) which can be activated/deactivated in accordance with the inclination angle (Y) of the arm (3) and comprises a data-processing unit (10) configured, in accordance with the data (R;L;C;Y; $\alpha$ ;  $\beta$ ,) supplied and the non-loaded weight of the assembly comprising the arm (3) and accessory (5), to establish the weight of the load (18) when the vehicle is loaded.

IPC 8 full level  
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