

Title (en)  
MATERIAL HANDLING VEHICLE

Title (de)  
MATERIALHANDHABUNGSFAHRZEUG

Title (fr)  
VÉHICULE DE MANUTENTION DE MATÉRIAUX

Publication  
**EP 3747827 A1 20201209 (EN)**

Application  
**EP 19178211 A 20190604**

Priority  
EP 19178211 A 20190604

Abstract (en)  
Material handling vehicle (1), comprising, a load carrier (2), preferably a pair of forks, a drive motor (3), a hydraulic motor (4) powering an hydraulic pump (5), a hydraulic system (6) pressurized by said pump, an energy source (23) for powering the vehicle and its motors, a control unit (7), wherein said load carrier (2) is arranged by means of the hydraulic system can lift a load, the material handling vehicle (1) have a longitudinal direction (8) and a transversal direction (16), a first side (9) extending parallel with the longitudinal direction, a second side (10) extending in parallel with the longitudinal direction, a back side (11) transversal to the longitudinal direction, a front side (17) transversal to the longitudinal direction, wherein the material handling vehicle (1) comprises detecting devices (18, 19, 20, 21; 24, 25) on the first side (9) and the second side (10), wherein said detecting devices (18, 19, 20, 21; 24, 25) are arranged such that they can detect and follow an aisle (11) in a warehouse, wherein the detecting devices (18, 19, 20, 21; 24, 25) are arranged such that they can detect a wall-ribbon (12, 13) that extend in parallel with a warehouse rack (14, 15), and detect the distance (32, 33) to said wall-ribbon (12, 13) from at least one of the first side (9) or the second side (10) to the wall-ribbon (12, 13). The disclosure also related to a warehouse rack, a warehouse system, a method for operating a material handling vehicle, a computer software and a computer program product.

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CPC (source: EP)  
**B66F 9/0755** (2013.01); **B66F 9/149** (2013.01)

Citation (applicant)  
US 2011153139 A1 20110623 - ERB FRANK [DE], et al

Citation (search report)  
• [Y] WO 2011002478 A2 20110106 - CROWN EQUIP CORP [US]  
• [Y] US 4595331 A 19860617 - THOMPSON ROGER A [US], et al  
• [YA] GB 2200477 A 19880803 - BT IND AB  
• [A] US 2009082968 A1 20090326 - TANAKA MASAYUKI [JP], et al

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