

Title (en)
MECANUM-WHEELED VEHICLE AND OPERATING METHOD

Title (de)
MECANUMRADFAHRZEUG SOWIE BETRIEBSVERFAHREN

Title (fr)
VÉHICULE À ROUES MECANUM AINSI QUE PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 3233524 A1 20171025 (DE)

Application
EP 15813696 A 20151119

Priority

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Abstract (en)
[origin: WO2016096319A1] The invention relates to a mecanum-wheeled vehicle (1), in particular for transporting a load, comprising a chassis (5) extending along a longitudinal axis (L) and a width axis (B) oriented perpendicular to the same, said chassis comprising at least four mecanum wheel drives (2; 2a to 2d) which can be controlled via control means (13) for carrying out an omnidirectional operation of the mecanum-wheeled vehicle (1), wherein the chassis (5) has a first chassis section (21a) with at least two (2a, 2b) of the mecanum wheel drives (2; 2a, 2b, 2c, 2d) and a second chassis section (21b) with at least two (2c, 2d) of the mecanum wheel drives (2; 2a, 2b, 2c, 2d). According to the invention, the first and the second chassis sections (21a, 21b) are arranged adjacent along a first adjustment axis (E1) and are mechanically connected to one another such that the spacing between same can be varied, and the spacing between the first and second chassis sections (21a, 21b) is adjustable along a first adjustment axis (E1) by controlling at least one of the mecanum wheel drives (2; 2a, 2b, 2c, 2d) of the first chassis section (21a) and/or of the second chassis section (21b) by means of the control means (13).

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