

Title (en)
VEHICLE WITH LOAD RECEPTACLE

Title (de)
FAHRZEUG MIT LADEGUTAUFNAHME

Title (fr)
VÉHICULE DOTÉ D'UN RÉCEPTACLE DE CHARGE

Publication
EP 4200160 A1 20230628 (DE)

Application
EP 21763300 A 20210813

Priority
• DE 102020121883 A 20200820
• EP 2021072573 W 20210813

Abstract (en)
[origin: WO2022038049A1] The invention relates to a vehicle (1) having a load receptacle (5) for transporting loads (2) and for handover of the loads (2) to a load transfer station (12), the load receptacle (5) being arranged on a chassis (3) with a running gear, the running gear being coupled to a drive unit, and a vehicle controller being provided. According to the invention, the load receptacle (5) is hinged to the chassis (3) so as to be tiltable about a tilting axis (8) and is open or openable at least at a discharge edge (7), wherein the tilting axis (8) and the discharge edge (7) are arranged relative to each other such that in the tilted position the loads (2) can be handed over onto the load transfer station (12) via the discharge edge (7), wherein, for handover of the loads (2) onto the load transfer station (12), the load receptacle (5) is tilted about the tilting axis (8) by a torque generated by a change in the vector of the speed of the vehicle (1) and/or by a spring loading of the load receptacle (5).

IPC 8 full level
B60P 1/04 (2006.01); **B07C 5/36** (2006.01); **B60P 1/24** (2006.01); **B60P 9/00** (2006.01); **B65G 1/06** (2006.01); **B65G 65/00** (2006.01)

CPC (source: EP US)
B07C 5/36 (2013.01 - EP); **B60P 1/04** (2013.01 - EP); **B60P 1/24** (2013.01 - EP); **B60P 1/283** (2013.01 - US); **B60P 9/00** (2013.01 - EP); **B65G 65/00** (2013.01 - EP); **B65G 67/24** (2013.01 - US); **B65G 47/967** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020121883 A1 20220224; CN 115989159 A 20230418; EP 4200160 A1 20230628; US 2023294586 A1 20230921;
WO 2022038049 A1 20220224

DOCDB simple family (application)
DE 102020121883 A 20200820; CN 202180050695 A 20210813; EP 2021072573 W 20210813; EP 21763300 A 20210813;
US 202118021049 A 20210813