

Title (en)

COMBINED ROAD/RAIL WHEEL DEVICE FOR ROAD AND RAIL OPERATION

Title (de)

KOMBINIERTE STRAßEN-/SCHIENENRADVORRICHTUNG FÜR STRAßEN- UND SCHIENENBETRIEB

Title (fr)

DISPOSITIF DE ROUE COMBINÉ ROUTE/RAIL POUR FONCTIONNEMENT SUR ROUTE ET SUR RAIL

Publication

EP 4200142 A1 20230628 (DE)

Application

EP 21749079 A 20210719

Priority

- DE 102020005156 A 20200824
- DE 2021000120 W 20210719

Abstract (en)

[origin: WO2022042781A1] The invention relates to a combined road/rail wheel device (1) which is adjustable between road operation and rail operation by means of an adjustment device (3), comprising at least one wheel (4) which is driven about a wheel axis or is not driven and which, on its radially outer circumferential surface, bears a road tyre (6) having a tyre tread (7), and has an inner side (14) and an outer side (15) which faces away from the inner side (14), and the adjustment device (3). According to the invention, it is provided that the combined road/rail wheel device (1) furthermore comprises at least the following: at least one wheel flange (12) which is arranged on the inner side (14) and/or on the outer side (15) of the wheel (4) and which is connected to the wheel (4) so as to rotate therewith, and which is entirely or partially extendable by means of the adjustment device (3) between a radially retracted position for road operation and a radially extended position for rail operation.

IPC 8 full level

B60F 1/02 (2006.01); **B60B 19/02** (2006.01)

CPC (source: EP US)

B60B 19/02 (2013.01 - EP US); **B60F 1/02** (2013.01 - US); **B60F 1/02** (2013.01 - EP)

Citation (search report)

See references of WO 2022042781A1

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 102020005156 A1 20220224; EP 4200142 A1 20230628; US 2023173859 A1 20230608; WO 2022042781 A1 20220303

DOCDB simple family (application)

DE 102020005156 A 20200824; DE 2021000120 W 20210719; EP 21749079 A 20210719; US 202318097216 A 20230114