

Title (en)
BOGIE AXLE FOR A VEHICLE WITH A PREFERRED TRAVELLING DIRECTION, AND VEHICLE WITH AT LEAST ONE BOGIE AXLE OF THIS TYPE

Title (de)
BOGIEACHSE FÜR EIN FAHRZEUG MIT EINER VORZUGSAHRTRICHTUNG UND FAHRZEUG MIT WENIGSTENS EINER SOLCHEN BOGIEACHSE

Title (fr)
ESSIEU DE BOGIE POUR VÉHICULE À DIRECTION DE DÉPLACEMENT PRÉFÉRÉE, ET VÉHICULE ÉQUIPÉ D'AU MOINS UN ESSIEU DE BOGIE DE CE TYPE

Publication
EP 4355595 A1 20240424 (DE)

Application
EP 21733953 A 20210615

Priority
EP 2021066093 W 20210615

Abstract (en)
[origin: WO2022262953A1] The invention relates to a bogie axle (10) for a vehicle (12) with a preferred travelling direction (V). The bogie axle (10) comprises at least one axle rocker (14) which has, as output, two hubs (16) which are arranged spaced apart for the arrangement of a front wheel (18) and a rear wheel (18), and which has an eccentric axle rocker mounting (20) which is arranged between the hubs (16) for pivotable mounting of the axle rocker (14) on an axle carrier, wherein the axle rocker mounting (20) has, as input, an input shaft (22) which, in order to drive the front wheel (18) and the rear wheel (18), is coupled thereto via at least one transmission (24). A geometry of the at least one axle rocker (14) corresponds to formula (I): in which e denotes an eccentricity of a rotational axis (D) of the axle rocker mounting (20) in the preferred travelling direction (V) starting from a centre axis (M) which is arranged between the hubs (16). The invention further relates to a vehicle (12) with a bogie axle (10) of this type.

IPC 8 full level
B60G 5/02 (2006.01)

CPC (source: EP US)
B60G 5/02 (2013.01 - EP US); **B60G 2200/318** (2013.01 - EP US); **B60G 2200/422** (2013.01 - EP US); **B60G 2204/419** (2013.01 - US); **B60G 2204/4191** (2013.01 - EP); **B60G 2206/0112** (2013.01 - EP US); **B60G 2300/08** (2013.01 - US); **B60G 2400/61** (2013.01 - EP US)

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)
WO 2022262953 A1 20221222; EP 4355595 A1 20240424; US 2024227480 A1 20240711

DOCDB simple family (application)
EP 2021066093 W 20210615; EP 21733953 A 20210615; US 202118570760 A 20210615