

Title (en)

THE SYSTEM AND METHOD OF CONVERTING OVER-LIFE PUBLIC TRANSPORT VEHICLES INTO 100% ELECTRIC VEHICLES

Title (de)

SYSTEM UND VERFAHREN ZUR UMWANDLUNG VON AUSRANGIERTEN ÖFFENTLICHEN VERKEHRSMITTELN IN 100% ELEKTROFAHRZEUGE

Title (fr)

SYSTÈME ET PROCÉDÉ DE CONVERSION DE VÉHICULES DE TRANSPORT PUBLIC AYANT DÉPASSÉ LEUR DURÉE DE VIE EN VÉHICULES 100 % ÉLECTRIQUES

Publication

**EP 4061658 A4 20230215 (EN)**

Application

**EP 21904635 A 20211227**

Priority

- TR 2020051413 W 20201228
- TR 2021051523 W 20211227

Abstract (en)

[origin: WO2022146239A1] The invention is about converting public transport vehicles that have reached the end of their useful lifetime into %100 electric vehicles, renewing these vehicles, at the same time making the necessary maintenance, and repair, making them environmentally friendly, silent and much more economical, and converting them into a vehicle containing advanced technology. By dismantling existing engine and gearbox of the old vehicle that has reached end of its service time life, it is installed in a protected area inside the body and is therefore not affected by external impacts, with the power received from an electric motor, which enables the vehicle to move by transmitting power to the rear axle with the help of the shaft, eliminating the manual gear system and providing automatic gear convenience, at least one electric motor (10) and at least one battery pack (20) that provides the movement of the vehicle with zero emission by transmitting energy to the electric motor (10) on the vehicle.

IPC 8 full level

**B60K 1/00** (2006.01)

CPC (source: EP)

**B60K 1/00** (2013.01); **B60K 1/04** (2013.01); **B60K 2001/001** (2013.01); **B60K 2001/005** (2013.01); **B60K 2001/0411** (2013.01); **B60K 2001/0416** (2013.01); **B60K 2001/0455** (2013.01); **B60K 2001/0461** (2013.01); **B60Y 2200/143** (2013.01); **B60Y 2304/076** (2013.01); **B60Y 2304/078** (2013.01)

Citation (search report)

- [X] WO 2016149836 A1 20160929 - SERVICES AUTOMOBILES GRANTUNED INC [CA]
- [A] EP 3498511 A1 20190619 - UNIV BOLOGNA ALMA MATER STUDIORUM [IT]
- [A] US 2014262567 A1 20140918 - KEDZIERSKI NORBERT [US]
- [A] US 9205734 B1 20151208 - LEACH BRIAN JOSEPH [US], et al
- [A] GB 2443272 A 20080430 - WRIGHTBUS LTD [IE]
- See references of WO 2022146372A1

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 2022146239 A1 20220707**; EP 4061658 A1 20220928; EP 4061658 A4 20230215; WO 2022146372 A1 20220707

DOCDB simple family (application)

**TR 2020051413 W 20201228**; EP 21904635 A 20211227; TR 2021051523 W 20211227