

Title (en)

MODULAR ENERGY SUPPLY SYSTEM FOR UTILITY VEHICLES

Title (de)

MODULARES ENERGIEVERSORGUNGSSYSTEM FÜR NUTZFAHRZEUGE

Title (fr)

SYSTÈME MODULAIRE D'ALIMENTATION EN ENERGIE POUR VÉHICULES UTILITAIRES

Publication

**EP 3768537 A1 20210127 (DE)**

Application

**EP 19718252 A 20190321**

Priority

- DE 202018101618 U 20180322
- EP 2019057154 W 20190321

Abstract (en)

[origin: WO2019180174A1] The invention relates to an energy supply system for an electrically driven utility vehicle, more particularly a waste collection vehicle, comprising a vehicle chassis (10), a first drive module (12) having an electric motor for mechanically driving the utility vehicle, and a first energy storage module (14), which supplies the first drive module (12) with electrical energy. A second energy storage module (16) is provided, which can be reversibly connected selectively to the first drive module (12), to the first energy storage module (14), or to both modules (12, 14). The modules (12, 14, 16) can be arranged in or on the vehicle chassis (10).

IPC 8 full level

**B60K 1/04** (2019.01); **B60K 6/28** (2007.10); **B60K 6/32** (2007.10); **B60K 6/46** (2007.10); **B60K 6/48** (2007.10)

CPC (source: EP)

**B60K 1/00** (2013.01); **B60K 1/04** (2013.01); **B60K 6/28** (2013.01); **B60K 6/32** (2013.01); **B60K 6/46** (2013.01); **B60K 6/48** (2013.01); **B60L 50/16** (2019.01); **B60L 50/61** (2019.01); **B60L 50/75** (2019.01); **B60L 58/18** (2019.01); **B60K 15/07** (2013.01); **B60K 2001/003** (2013.01); **B60K 2001/005** (2013.01); **B60K 2001/006** (2013.01); **B60K 2001/008** (2013.01); **B60K 2015/03315** (2013.01); **B60Y 2200/14** (2013.01); **B60Y 2200/144** (2013.01); **B60Y 2400/202** (2013.01); **Y02T 10/62** (2013.01); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 90/40** (2013.01)

Citation (search report)

See references of WO 2019180174A1

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

DOCDB simple family (publication)

**DE 202018101618 U1 20190627**; EP 3768537 A1 20210127; EP 4116124 A1 20230111; WO 2019180174 A1 20190926

DOCDB simple family (application)

**DE 202018101618 U 20180322**; EP 19718252 A 20190321; EP 2019057154 W 20190321; EP 22192773 A 20190321