

Title (en)  
DRIVE TECHNOLOGY FOR VEHICLE TREATMENT INSTALLATIONS, IN PARTICULAR WASHING INSTALLATIONS

Title (de)  
ANTRIEBSTECHNIK FÜR FAHRZEUGBEHANDLUNGSANLAGEN, INSBESONDERE WASCHANLAGEN

Title (fr)  
TECHNIQUE D'ENTRAÎNEMENT POUR INSTALLATIONS DE TRAITEMENT DE VÉHICULES, EN PARTICULIER INSTALLATIONS DE LAVAGE

Publication  
**EP 3802242 A1 20210414 (DE)**

Application  
**EP 19731889 A 20190606**

Priority

- DE 202018103154 U 20180606
- EP 2019064878 W 20190606

Abstract (en)  
[origin: WO2019234192A1] The invention relates to a drive technology for vehicle treatment installations. The drive technology comprises a washing installation drive motor (2) for a vehicle treatment system (69). The washing installation drive motor (2) is preferably designed as a synchronous motor, in particular as a brushless DC motor. It has an internal rotor (3) with a hollow shaft (5). As an alternative or in addition, the washing installation drive motor (2) is designed as a modular drive unit (7) which, given a uniform construction, is provided and designed for driving different apparatus constituent parts of a washing installation. The drive technology further comprises a washing installation drive (1), a treatment element (52, 55, 57, 64) and also a vehicle treatment system (60) with a corresponding washing installation drive motor (2), and an associated operating method.

IPC 8 full level  
**B60S 3/06** (2006.01); **B60S 3/04** (2006.01); **H02K 5/22** (2006.01); **H02P 5/00** (2016.01)

CPC (source: EP US)  
**B60S 3/042** (2013.01 - US); **B60S 3/06** (2013.01 - EP US); **H02K 5/04** (2013.01 - EP); **H02K 5/15** (2013.01 - EP US); **H02K 21/12** (2013.01 - EP US); **B60S 3/042** (2013.01 - EP); **H02K 2213/12** (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

DOCDB simple family (publication)  
**DE 202018103154 U1 20190909**; CN 112638726 A 20210409; CN 112638726 B 20230908; EP 3802242 A1 20210414; US 11932210 B2 20240319; US 2021170996 A1 20210610; WO 2019234192 A1 20191212

DOCDB simple family (application)  
**DE 202018103154 U 20180606**; CN 201980052577 A 20190606; EP 19731889 A 20190606; EP 2019064878 W 20190606; US 201916972359 A 20190606