

Title (en)  
METHOD AND DEVICE FOR OPERATING A DRIVE DEVICE, DRIVE DEVICE

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER ANTRIEBSVORRICHTUNG, ANTRIEBSVORRICHTUNG

Title (fr)  
PROCÉDÉ ET DISPOSITIF POUR FAIRE FONCTIONNER UN SYSTÈME DE PROPULSION, SYSTÈME DE PROPULSION

Publication  
**EP 3359435 A1 20180815 (DE)**

Application  
**EP 16760062 A 20160901**

Priority  
• DE 102015219340 A 20151007  
• EP 2016070593 W 20160901

Abstract (en)  
[origin: WO2017060010A1] The invention relates to a method for operating a drive device (1) of a motor vehicle, having an internal combustion engine (2), an electric machine (3), and a dual-clutch transmission (4). The dual-clutch transmission (4) has two clutches (K1, K2), by means of which the transmission can be connected to the internal combustion engine (2). At least the internal combustion engine (2) is actuated in a driving operation in order to generate a target drive torque, and the clutches (K1, K2) are actuated in opposite directions for a gear shift. During a gear shift, the electric machine (3) which is connected to the dual-clutch transmission (4) without a clutch is actuated such that the electric machine completely or partly generates the target torque at least temporarily.

IPC 8 full level  
**B60K 6/547** (2007.10); **B60W 10/02** (2006.01); **B60W 10/06** (2006.01); **B60W 10/08** (2006.01); **B60W 10/10** (2012.01); **B60W 20/00** (2016.01); **B60W 30/19** (2012.01); **F16H 61/688** (2006.01)

CPC (source: EP KR US)  
**B60K 6/387** (2013.01 - EP KR US); **B60K 6/48** (2013.01 - EP KR US); **B60K 6/547** (2013.01 - EP KR US); **B60W 10/02** (2013.01 - EP US); **B60W 10/06** (2013.01 - EP KR US); **B60W 10/08** (2013.01 - EP KR US); **B60W 10/113** (2013.01 - EP KR US); **B60W 20/10** (2013.01 - EP US); **B60W 20/30** (2013.01 - EP US); **B60W 20/40** (2013.01 - EP KR US); **B60W 30/186** (2013.01 - KR); **B60W 30/19** (2013.01 - EP KR US); **F16H 61/688** (2013.01 - EP KR US); **B60K 2006/4825** (2013.01 - EP US); **B60W 30/186** (2013.01 - EP US); **B60W 2710/0666** (2013.01 - EP US); **B60W 2710/083** (2013.01 - EP KR US); **B60Y 2200/92** (2013.01 - EP); **F16H 2061/0422** (2013.01 - EP US); **F16H 2061/0425** (2013.01 - EP); **F16H 2061/0429** (2013.01 - EP); **F16H 2061/0433** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US)

Citation (search report)  
See references of WO 2017060010A1

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)  
**WO 2017060010 A1 20170413**; CN 108137033 A 20180608; CN 108137033 B 20211207; DE 102015219340 A1 20170413; EP 3359435 A1 20180815; KR 102532053 B1 20230515; KR 20180063256 A 20180611; US 10661806 B2 20200526; US 2019084575 A1 20190321; US 2020247419 A1 20200806

DOCDB simple family (application)  
**EP 2016070593 W 20160901**; CN 201680058513 A 20160901; DE 102015219340 A 20151007; EP 16760062 A 20160901; KR 20187012647 A 20160901; US 201615766460 A 20160901; US 202016858048 A 20200424