

Title (en)  
BEARING FOR A HYBRID MODULE

Title (de)  
LAGERUNG FÜR EIN HYBRIDMODUL

Title (fr)  
PALIER CONÇU POUR UN MODULE HYBRIDE

Publication  
**EP 3774426 A1 20210217 (DE)**

Application  
**EP 19716138 A 20190404**

Priority  
• DE 102018205473 A 20180411  
• EP 2019058448 W 20190404

Abstract (en)  
[origin: WO2019197251A1] The invention relates to a hybrid module comprising a damper hub (3) which is connected to an internal combustion engine, a housing (1), a clutch (11), an electric machine (2) which has a rotor (2.2) and a stator (2.1) connected to the housing (1), a torque converter (5) which has a converter housing (5.1) connected to a central hub (4) and which has a turbine shaft (5.2), and an output shaft (6). The rotor (2.2) of the electric machine (2) is connected to the central hub (4), the converter housing (5.1), or the damper hub (3), and the turbine shaft (5.2) is rotationally fixed to the output shaft (6). The clutch (11) is arranged between the damper hub (3) and the torque converter (5), and the damper hub (3) is connected to the internal combustion engine via a vibration damper (12). The invention is characterized in that a front bearing (8.1; 16) of the damper hub (3) is designed to be supported in a radial direction, and the front bearing (8.1; 16) is arranged so as to at least partly overlap with the vibration damper (12).

IPC 8 full level  
**B60K 6/387** (2007.10); **B60K 6/40** (2007.10); **B60K 6/48** (2007.10); **B60K 17/02** (2006.01); **B60W 10/02** (2006.01); **F16C 35/06** (2006.01); **F16D 13/52** (2006.01); **F16D 13/64** (2006.01); **F16D 25/0638** (2006.01); **F16D 25/10** (2006.01)

CPC (source: EP)  
**B60K 6/387** (2013.01); **B60K 6/40** (2013.01); **B60K 6/48** (2013.01); **B60W 10/023** (2013.01); **F16C 35/06** (2013.01); **F16D 13/644** (2013.01); **F16D 25/0638** (2013.01); **F16D 25/10** (2013.01); **Y02T 10/62** (2013.01)

Citation (search report)  
See references of WO 2019197251A1

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 2019197251 A1 20191017**; DE 102018205473 A1 20191017; EP 3774426 A1 20210217

DOCDB simple family (application)  
**EP 2019058448 W 20190404**; DE 102018205473 A 20180411; EP 19716138 A 20190404