

Title (en)  
TORSIONAL VIBRATION DAMPER

Title (de)  
DREHSCHWINGUNGSDÄMPFER

Title (fr)  
AMORTISSEUR DE VIBRATIONS TORSIONNELLES

Publication  
**EP 3102843 A1 20161214 (DE)**

Application  
**EP 15709826 A 20150126**

Priority  
• DE 102014201881 A 20140203  
• DE 2015200023 W 20150126

Abstract (en)  
[origin: WO2015113565A1] A torsional vibration damper, more particularly a dual mass flywheel, comprising an input part and an output part with a common axis of rotation about which the input part and the output part can turn together and have limited rotational freedom with respect to each other; a spring-damper arrangement operating between the input part and the output part and having at least one energy accumulator and a centrifugal pendulum device with at least one first pendulum mass that can move when acted upon by centrifugal force; wherein the centrifugal pendulum device switches automatically between a first natural frequency and a second natural frequency, resulting in a structurally and/or functionally improved torsion damper.

IPC 8 full level  
**F16D 3/12** (2006.01); **F16F 15/12** (2006.01); **F16F 15/134** (2006.01); **F16F 15/14** (2006.01)

CPC (source: CN EP)  
**F16F 15/145** (2013.01 - EP); **F16F 15/1464** (2013.01 - EP); **F16F 15/31** (2013.01 - CN)

Citation (search report)  
See references of WO 2015113565A1

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 2015113565 A1 20150806**; CN 105960547 A 20160921; CN 105960547 B 20180619; DE 112015000613 A5 20161103;  
EP 3102843 A1 20161214

DOCDB simple family (application)  
**DE 2015200023 W 20150126**; CN 201580007001 A 20150126; DE 112015000613 T 20150126; EP 15709826 A 20150126