

Title (en)  
VIBRATION DAMPER

Title (de)  
SCHWINGUNGSDÄMPFER

Title (fr)  
AMORTISSEUR DE VIBRATIONS

Publication  
**EP 2935940 A1 20151028 (DE)**

Application  
**EP 13824303 A 20131128**

Priority  
• DE 102012224219 A 20121221  
• DE 2013200323 W 20131128

Abstract (en)  
[origin: WO2014094762A1] A vibration damper (100) comprises an input side (105), an output side (115), one or more elastic elements (130, 135) for force transmission between the input side and the output side, and a centrifugal pendulum having a pendulum flange (140) and one or more pendulum masses (145) which are movably mounted on the pendulum flange in the rotation plane of the pendulum flange. The invention proposes forming certain ratios of masses and volumes of the elastic elements and pendulum masses. If one or more of the ratios lie within specified ranges, efficient damping or absorption of torsional vibrations by the vibration damper can be assumed.

IPC 8 full level  
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CPC (source: CN EP US)  
**F16F 7/116** (2013.01 - US); **F16F 15/13128** (2013.01 - US); **F16F 15/145** (2013.01 - CN EP US)

Citation (search report)  
See references of WO 2014094762A1

Citation (examination)  
• DE 102010025582 A1 20110120 - LUK LAMELLEN & KUPPLUNGSBAU [DE]  
• DE 102010014674 A1 20101118 - LUK LAMELLEN & KUPPLUNGSBAU [DE]  
• DE 102011010343 A1 20110818 - SCHAEFFLER TECHNOLOGIES GMBH [DE]  
• DE 102011010344 A1 20110818 - SCHAEFFLER TECHNOLOGIES GMBH [DE]  
• WO 2012150401 A1 20121108 - VALEO EMBRAYAGES [FR], et al

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

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EP 2935940 A1 20151028; US 2015323039 A1 20151112; US 9709125 B2 20170718; WO 2014094762 A1 20140626

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