

Title (en)

TORSIONAL VIBRATION DAMPING TRANSMISSION ELEMENT

Title (de)

DREHSCHWINGUNGSDÄMPFENDES ÜBERTRAGUNGSELEMENT

Title (fr)

ELEMENT DE TRANSMISSION AMORTISSEUR DE VIBRATIONS DE TORSION

Publication

EP 2935937 A1 20151028 (FR)

Application

EP 13808124 A 20131128

Priority

- FR 1262487 A 20121220
- FR 2013052891 W 20131128

Abstract (en)

[origin: WO2014096598A1] The present invention relates to a torsional vibration damping transmission element between a drive shaft and a driven shaft, this element limiting the vibrational excitation of the drive shaft transmitted to the driven shaft and reducing the dynamic forces passing through the element transmitting movement between the two shafts subjected to a rotational movement. The transmission element (1) is interposed between a drive shaft and a driven shaft transmitting rotational movement from the drive shaft to the driven shaft and is provided with a seismic mass (9, 9a) consisting of two portions, an elastomeric member (10) being interposed between the two portions, the seismic mass (9, 9a) being calculated to increase the inertia value of the transmission element (1) without a seismic mass (9, 9a) by a factor of between 2 and 5.

IPC 8 full level

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CPC (source: CN EP)

F16F 15/14 (2013.01 - CN); **F16F 15/1442** (2013.01 - EP); **F16H 55/36** (2013.01 - EP); **F16H 2055/366** (2013.01 - EP)

Citation (search report)

See references of WO 2014096598A1

Citation (examination)

A S MENDES ET AL: "Analysis of torsional vibration in internal combustion engines: Modelling and experimental validation", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART K: JOURNAL OF MULTI-BODY DYNAMICS, vol. 222, no. 2, 30 June 2008 (2008-06-30), pages 155 - 178, XP055487929, ISSN: 1464-4193, DOI: 10.1243/14644193JMBD126

Designated contracting state (EPC)

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