

Title (en)  
TUNED MASS DAMPER

Title (de)  
TILGERSCHWINGUNGSDÄMPFER

Title (fr)  
AMORTISSEUR D'OSCILLATIONS

Publication  
**EP 3137788 A1 20170308 (DE)**

Application  
**EP 15725238 A 20150330**

Priority  
• DE 102014207957 A 20140428  
• EP 2015056831 W 20150330

Abstract (en)  
[origin: WO2015165670A1] A tuned mass damper (110, 238), for example, for a powertrain of a motor vehicle, for damping an oscillation portion of a rotary motion, comprises at least one tuned mass (112) designed to perform an oscillation according to the rotary motion in order to damp the oscillation portion thereof. Furthermore, the tuned mass damper (110, 238) comprises at least one guide structure (114, 140) designed to guide the tuned mass (112) in a movable manner. The tuned mass damper (110, 238) comprises at least one support body (154) designed to come in contact with an outer contour (192) of the tuned mass (112) in at least one support region (194), wherein the support region (194) is inside an average extension (198) of the tuned mass (112), wherein the average extension (198) comprises a maximum 80% portion of a length (200) of the tuned mass and is arranged symmetrically to the centre of gravity (196) of the tuned mass (112).

IPC 8 full level  
**F16F 15/14** (2006.01)

CPC (source: EP)  
**F16F 15/145** (2013.01)

Citation (search report)  
See references of WO 2015165670A1

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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