

Title (en)

VISCO-ELASTIC DAMPING ELEMENT BASED ON VISCO-ELASTIC MATERIALS

Title (de)

VISKO-ELASTISCHER DÄMPFUNGSKÖRPER AUF BASIS VISKOELASTISCHER MATERIALIEN

Title (fr)

CORPS D'AMORTISSEMENT VISCOÉLASTIQUE À BASE DE MATÉRIAUX VISCOÉLASTIQUES

Publication

**EP 3535501 A1 20190911 (DE)**

Application

**EP 17797294 A 20171102**

Priority

- EP 16197297 A 20161104
- EP 2017078011 W 20171102

Abstract (en)

[origin: WO2018083150A1] The invention relates to a method for producing a visco-elastic damping element comprising at least one visco-elastic spring element, characterized in that the visco-elastic spring element is structured from at least one visco-elastic material having a  $\tan \delta$  of at least 0.5, determined according to DIN 53535: 1982-03, and produced by means of a 3D printing method. The invention further relates to a visco-elastic damping element, which is produced or can be produced according to said method, and to a solid body comprising or consisting of a plurality of damping elements.

IPC 8 full level

**F16F 9/30** (2006.01); **A47C 27/15** (2006.01); **B33Y 10/00** (2015.01); **B33Y 80/00** (2015.01)

CPC (source: EP US)

**A47C 27/148** (2013.01 - EP US); **A47C 27/15** (2013.01 - EP US); **B29C 64/10** (2017.07 - US); **B33Y 10/00** (2014.12 - EP); **B33Y 70/00** (2014.12 - EP US); **B33Y 80/00** (2014.12 - EP); **B29K 2033/08** (2013.01 - US); **B29K 2075/00** (2013.01 - US); **B33Y 10/00** (2014.12 - US); **B33Y 80/00** (2014.12 - US)

Citation (search report)

See references of WO 2018083150A1

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 2018083150 A1 20180511**; CN 109891118 A 20190614; EP 3535501 A1 20190911; US 2019254439 A1 20190822

DOCDB simple family (application)

**EP 2017078011 W 20171102**; CN 201780068234 A 20171102; EP 17797294 A 20171102; US 201716346916 A 20171102