

Title (en)

DAMPER WITH VARIABLE TORSIONAL STIFFNESS FOR HYDRAULIC STEERING SYSTEM STEERING COLUMNS

Title (de)

DÄMPFER MIT VARIABLER TORSIONSSTEIFIGKEIT FÜR LENKSÄULEN VON HYDRAULISCHEN LENKSYSTEMEN

Title (fr)

AMORTISSEUR À RIGIDITÉ DE TORSION VARIABLE DESTINÉ À DES COLONNES DE DIRECTION DE SYSTÈME DE DIRECTION HYDRAULIQUE

Publication

EP 3538422 A1 20190918 (EN)

Application

EP 17797314 A 20171107

Priority

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- EP 2017078498 W 20171107

Abstract (en)

[origin: WO2018087096A1] A damping assembly (212) controlling vibrations from a hydraulic steering unit (204) in a power steering system (200) of a work machine (100) includes a bowl-shaped flywheel (214), a bowl-shaped axial/transverse damper (216) in the flywheel (214) and a rotor (218) operable in the axial/transverse damper (216). The rotor (218) includes arms (262, 264, 266, 268). Clockwise dampers (272, 276) and counterclockwise dampers (274, 278) operate between the arms (262, 264, 266, 268) and pediments (228) of the flywheel (214) that are exposed in the axial/transverse damper (216).

IPC 8 full level

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CPC (source: EP)

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