

Title (en)

DEVICE AND METHOD FOR VIBRATION INSULATION IN A TRANSMISSION PATH

Title (de)

VORRICHTUNG UND VERFAHREN ZUR SCHWINGUNGSISOLATION IN EINEM ÜBERTRAGUNGSPFAD

Title (fr)

DISPOSITIF ET PROCEDE D'ISOLATION D'OSCILLATIONS DANS UNE VOIE DE TRANSMISSION

Publication

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Application

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Abstract (en)

[origin: WO03040587A1] The invention relates to a device for vibration insulation in a transmission path and a corresponding method. The aim of the invention is to effectively reduce as much as possible and prevent as far as possible the vibration of a first body (1) being transmitted to a second body (3) fixed thereto by means of a rigid connection element (2). Said aim is achieved, whereby a sensor unit (5) is placed in the interface region between the connection element (2) and second body (3), connected to the regulator (6) and that the actuator means (4) may be controlled by the regulator such that the actuator unit (4) carries out an elastic deformation, depending on the output from the sensor unit, which is equivalent to the vibratory movement of the first body. The form of the connector element (2) may be altered in one section in order to follow the vibratory movement of the first body (1) such that the vibratory movement of the first body is effectively insulated from the second body.

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