Title (en)

VIBRATION-PROOFING AND NOISE-PROOFING CONTROL METHOD AND SYSTEM FOR A VEHICLE POWER PLANT.

Title (de)

VIBRATIONS- UND GERÄUSCHSTABILES STEUERVERFAHREN UND -SYSTEM FÜR EIN FAHRZEUGANTRIEBSSYSTEM

Title (fr)

PROCEDE ET SYSTEME DE CONTRÔLE ANTIVIBRATOIRE ET ANTIBRUIT POUR GROUPE MOTOPROPULSEUR D'UN VEHICULE.

Publication

EP 2029911 A1 20090304 (FR)

Application

EP 07788962 A 20070605

Priority

• FR 2007051378 W 20070605
• FR 0652167 A 20060619

Abstract (en)

[origin: WO2007147994A1] The method generates, by means of an actuator (1), a counter vibration (CV) to reduce or cancel the original vibrations and noises (V) at a given point in the cabin of the vehicle termed the control point (Pc), - the power plant itself is used as a source of a reference signal (Sr). This reference signal (Sr) is filtered into a vibrational control signal (S), which is sent to said actuator (1) to emit the counter vibration (CV) and a computer (2) is used to calculate the filter coefficients which are constant rather than the result of real-time calculations which would prove too expensive in terms of memory size and computer processing capability. - Motor vehicles. Vibration-proofing and noise-proofing control of vehicle engines.

IPC 8 full level

F16F 15/027 (2006.01); **G05D 19/02** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)

F16F 15/002 (2013.01 - EP); **G05D 19/02** (2013.01 - EP US); **G10K 11/17815** (2017.12 - EP US); **G10K 11/17817** (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17855** (2017.12 - EP US); **G10K 11/17883** (2017.12 - EP US); G10K 2210/1282 (2013.01 - EP); G10K 2210/1291 (2013.01 - EP)

Citation (search report)

See references of WO 2007147994A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

FR 2902479 A1 20071221; **FR 2902479 B1 20080926**; EP 2029911 A1 20090304; WO 2007147994 A1 20071227

DOCDB simple family (application)

FR 0652167 A 20060619; EP 07788962 A 20070605; FR 2007051378 W 20070605