

Title (en)
OVERLOAD PROTECTION FOR AN ACTUATOR OF A SYSTEM FOR CONTROLLING SOUND PROPAGATING THROUGH AN EXHAUST SYSTEM

Title (de)
ÜBERLASTUNGSSCHUTZ FÜR EINEN AKTOR EINES SYSTEMS ZUR BEEINFLUSSUNG VON IN EINER ABGASANLAGE GEFÜHRTEM SCHALL

Title (fr)
PROTECTION CONTRE LES SURCHARGES POUR UN ACTEUR D'UN SYSTEME DESTINE A INFLUENCER UN BRUIT TRANSPORTE DANS UNE INSTALLATION DE GAZ D'ECHAPPEMENT

Publication
EP 3001411 B1 20220406 (DE)

Application
EP 15178023 A 20150723

Priority
DE 102014113940 A 20140925

Abstract (en)
[origin: US2016090885A1] A system (70) for actively controlling sound propagating through exhaust systems (40) includes a controller (90), a sound generator (30), in fluid communication with an exhaust system (40), and an actuator (20), inside the sound generator and receiving a controller control signal for generating sound inside the sound generator to reduce sound inside the exhaust system. The controller identifies an increased exhaust pressure inside the exhaust system based on signals output by an error microphone (50), a temperature sensor (51), an impedance measuring bridge (52), a bus system (53), or a water sensor (54). The controller interrupts a generation of the control signal and/or interrupts an output of the control signal to the at least one actuator and/or reduces a level of the control signal output to the at least one actuator by at least 30% or at least 60% upon determining a presence of an excessive exhaust gas pressure.

IPC 8 full level
G10K 11/178 (2006.01); **F01N 1/06** (2006.01)

CPC (source: EP US)
F01N 1/065 (2013.01 - EP US); **G10K 11/17821** (2017.12 - EP US); **G10K 11/17825** (2017.12 - EP US); **G10K 11/17833** (2017.12 - US); **G10K 11/17835** (2017.12 - EP US); **G10K 11/17883** (2017.12 - EP US); **F01N 2560/028** (2013.01 - EP US); **G10K 15/02** (2013.01 - US); **G10K 2210/12822** (2013.01 - EP US); **G10K 2210/503** (2013.01 - EP US); **G10K 2210/51** (2013.01 - EP US)

Citation (examination)
WO 2016134802 A1 20160901 - JAGUAR LAND ROVER LTD [GB]

Cited by
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Designated contracting state (EPC)
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