

Title (en)
VIBRATION- AND PULSATION-ATTENUATED ELECTROPNEUMATIC CONVERTER

Title (de)
SCHWINGUNGS- UND PULSATIONSGEDÄMPFTER ELEKTROPNEUMATISCHER WANDLER

Title (fr)
TRANSDUCTEUR ÉLECTRO-PNEUMATIQUE AMORTI CONTRE LES VIBRATIONS ET LES PULSATIONS

Publication
EP 2052145 A1 20090429 (DE)

Application
EP 07802469 A 20070802

Priority
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Abstract (en)
[origin: US8001952B2] An electropneumatic converter for connection with an exhaust recirculation valve in a motor vehicle. The electropneumatic converter includes a vacuum port and an atmospheric pressure port configured to connect with a valve chamber using a valve device, wherein a mixed pressure is formed in the valve chamber and supplied to a mixed pressure port. An armature is affixed to a valve body of the valve device movable in an axial direction, the valve body being connected to a suspension device, wherein the armature is displaceable in the axial direction using a solenoid. The electropneumatic converter also includes a damping element configured to dampen the axial movement of the armature and the valve device affixed thereto. The damping element includes at least one of an elastomer or a foamed material.

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