

Title (en)

Exhaust system and associated connection to an actuator

Title (de)

Abgasanlage und zugehörige Verbindungsanordnung für einen Aktuator

Title (fr)

Système d'échappement et ensemble associé de connection à un actionneur

Publication

EP 2287451 B2 20170315 (DE)

Application

EP 10162972 A 20100517

Priority

DE 102009032553 A 20090710

Abstract (en)

[origin: US2011005857A1] A connection device (1) for an actuator (4) acting as an active exhaust muffler is provided for connection to at least one feeding pipe section (8) of an exhaust system (3) of an internal combustion engine, especially of a motor vehicle. A connection section (5) is arranged between the actuator (4) and an exhaust system-side connection area (2) for spacing the actuator (4) from the exhaust system (2). Skillful design measures are provided, which lead at least to a change in a flow cross section of the connection area (2) compared to at least the feeding pipe section (8), to make it is possible to improve the thermal uncoupling between the actuator (4) and the exhaust system (3) without compromising the acoustic connection of the actuator (4).

IPC 8 full level

F01N 1/06 (2006.01)

CPC (source: EP US)

F01N 1/065 (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 4317403 A1 19941201 - NOKIA DEUTSCHLAND GMBH [DE]
- EP 0481450 A1 19920422 - GILLET HEINRICH GMBH [DE]
- JP H10212927 A 19980811 - KAWASAKI HEAVY IND LTD
- DE 3437902 A1 19850509 - NISSAN MOTOR [JP]
- DE 4021563 A1 19920109 - OPEL ADAM AG [DE]
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- US 5623918 A 19970429 - SWILIK JR ROBERT C [US], et al
- JP H11324668 A 19991126 - SANGO CO LTD
- DE 195434009 A1
- US 6764361 B1 20040720 - MATSUDA YOSHIMOTO [JP]
- WO 9820239 A1 19980514 - EMITEC EMISSIONSTECHNOLOGIE [DE], et al
- DE 8426956 U1 19850103
- DE 3838148 C1 19900329
- WO 9530393 A1 19951116 - NOISE CANCELLATION TECH [US]
- EP 0716257 A2 19960612 - GILLET HEINRICH GMBH [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

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