

Title (en)

Ducting system with electromechanical converter producing a correction noise

Title (de)

Leitungssystem mit elektromechanischem Wandler zur Erzeugung eines Korrekturgeräusches

Title (fr)

Système de conduite à convertisseur mécano-électronique donnant un bruit de correction

Publication

EP 1152132 B1 20050720 (DE)

Application

EP 01106988 A 20010321

Priority

DE 10021031 A 20000502

Abstract (en)

[origin: EP1152132A1] The system has a pipe section (25) with an induction opening and an electromagnetic transducer (14) producing noise to influence the gas flow in the pipe section, especially to correct engine induction noise. The transducer has an actuator for noise generation, especially a membrane, with a drive (27), especially an electric coil (32). The drive is mounted in the pipe system so as to be exposed to the gas flow transported in the pipe system. Independent claims are also included for the following: the use of a pipe system in the induction system of an internal combustion engine.

IPC 1-7

F01N 1/06; **F01N 7/00**; **G10K 11/178**

IPC 8 full level

F01N 1/06 (2006.01); **F01N 7/00** (2006.01); **F02M 35/024** (2006.01); **F02M 35/12** (2006.01); **F02M 35/14** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)

F01N 1/065 (2013.01 - EP); **F02M 35/125** (2013.01 - EP US); **F02M 35/14** (2013.01 - EP); **G10K 11/17821** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17883** (2017.12 - EP US); **G10K 2210/112** (2013.01 - EP); **G10K 2210/1282** (2013.01 - EP); **G10K 2210/3031** (2013.01 - EP); **G10K 2210/3214** (2013.01 - EP)

Cited by

DE102015106000A1; EP1717433A3; EP2138700A3; DE102011000412A1; DE10322570B4; EP1193683A3; EP1313090A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1152132 A1 20011107; **EP 1152132 B1 20050720**; AT E299989 T1 20050815; DE 10021031 A1 20011108; DE 50106755 D1 20050825; ES 2244512 T3 20051216; JP 2001317420 A 20011116

DOCDB simple family (application)

EP 01106988 A 20010321; AT 01106988 T 20010321; DE 10021031 A 20000502; DE 50106755 T 20010321; ES 01106988 T 20010321; JP 2001134593 A 20010501