

Title (en)
Exhaust gas installation

Title (de)
Abgasanlage

Title (fr)
Installation de gaz d'échappement

Publication
EP 2105587 B1 20120704 (DE)

Application
EP 09003500 A 20090311

Priority
DE 102008015929 A 20080327

Abstract (en)
[origin: EP2105587A2] The exhaust system (3) has an exhaust manifold (7) for closing the exhaust system in an internal combustion engine (2). The exhaust gas cleaning device (12) and a sound absorber (13) are provided in the exhaust system, and the exhaust pipe end is opened for surrounding (8). The sound absorber is formed as active sound absorber, which is operated with a loudspeaker (17) for anti-sound generation.

IPC 8 full level
F01N 1/06 (2006.01); **F01N 13/08** (2010.01)

CPC (source: EP)
F01N 1/065 (2013.01); **F01N 13/082** (2013.01); **F01N 2470/10** (2013.01); **F01N 2470/20** (2013.01)

Citation (examination)

- DE 4027511 C1 19911002
- DE 112007000187 A
- EP 0227372 A2 19870701 - NELSON IND INC [US]
- EP 0085691 B1 19850619
- DE 102004040421 A1 20060309 - EBERSPAECHER J GMBH & CO [DE]
- EP 0647343 B1 19970423 - FORD WERKE AG [DE], et al
- DE 2345803 A1 19740321 - TOYO KOGYO CO
- DE 1172561 B 19640618 - NSU MOTORENWERKE AG
- DE 2705748 A1 19780817 - THAUFELDER ALFRED
- DE 3509016 A1 19850926 - TOVARNA AVTOMOBIL MOTOR [YU]
- WO 9305282 A1 19930318 - ACTIVE NOISE & VIBRATION TECH [US]
- WO 2007022324 A2 20070222 - FREIGHTLINER LLC [US], et al
- GB 337871 A 19301113 - COTTRELL DOUGLAS SAMUEL VICTOR
- DE 4428493 A1 19950223 - CALSONIC CORP [JP]
- WO 9309334 A1 19930513 - NOISE CANCELLATION TECH [US]
- M. L. MUNJAL: "Advances in the acoustics of flow ducts and mufflers, Sadhana,", 1 September 1990 (1990-09-01), pages 57 - 72
- M.L. MUNJAL UND L.J. ERIKSSON: "Analysis of a hybrid noise control system for a duct", 1 August 1989 (1989-08-01), pages 832 - 834

Designated contracting state (EPC)
FR GB

DOCDB simple family (publication)
EP 2105587 A2 20090930; EP 2105587 A3 20091021; EP 2105587 B1 20120704; EP 2105587 B2 20160921; DE 102008015929 A1 20091001

DOCDB simple family (application)
EP 09003500 A 20090311; DE 102008015929 A 20080327