

Title (en)
Active exhaust gas muffler.

Title (de)
Aktiver Abgasschalldämpfer.

Title (fr)
Silencieux actif de gaz d'échappement.

Publication
EP 0674097 A1 19950927 (EN)

Application
EP 95102257 A 19950217

Priority
IT TO940109 A 19940222

Abstract (en)
An active muffler (1) wherein a metal casing (3) defines a parallelepiped inner cavity (8) divided into a first (8a) and second (8b) chamber by a rectangular panel (13) of material impervious to heat. The panel (13) presents a central through opening (19), the peripheral edge of which contacts the peripheral edge (30) of the cone of a loudspeaker (6) housed in the first chamber (8a) and supplied by an electronic active noise reducing system. The second chamber (8b) houses a passive muffler (35) supplied with the exhaust gas produced by a vehicle engine. <IMAGE>

IPC 1-7
F01N 1/06; **G10K 11/178**

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

CPC (source: EP US)
F01N 1/065 (2013.01 - EP US); **G10K 11/1785** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17861** (2017.12 - EP US); **G10K 11/17883** (2017.12 - EP US); **G10K 2210/121** (2013.01 - EP); **G10K 2210/1282** (2013.01 - EP); **G10K 2210/12822** (2013.01 - EP); **G10K 2210/3214** (2013.01 - EP); **G10K 2210/3227** (2013.01 - EP); **G10K 2210/32271** (2013.01 - EP)

Citation (search report)
• [XAY] WO 9115666 A1 19911017 - ACTIVE NOISE & VIBRATION TECH [US]
• [Y] WO 9305282 A1 19930318 - ACTIVE NOISE & VIBRATION TECH [US]
• [Y] WO 9309334 A1 19930513 - NOISE CANCELLATION TECH [US]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 17, no. 263 (M - 1415) 24 May 1993 (1993-05-24)
• [A] PATENT ABSTRACTS OF JAPAN vol. 18, no. 21 (P - 1674) 13 January 1994 (1994-01-13)

Cited by
DE102008018085A1; US7891463B2; EP2915967A1; DE102013011937B3; CN103114890A; EP2287451A1; DE102009031848A1; CN114396523A; DE102006010558A1; FR2812442A1; EP1241660A3; CN103266933A; EP2105587A3; EP0939393A3; US2012097478A1; US8434590B2; CN104420960A; DE102011089774A1; CN103174499A; DE102011089774B4; DE102006042224B3; EP1898059A3; CN104895648A; DE102017129245A1; US8360192B2; US6702061B2; WO0210560A1; EP2826966A1; US9066168B2; US7293627B2; DE102009049280A1; DE102013104307A1; EP3165729A1; DE102015119191A1; US9997152B2; EP2108791A1; EP2797075A2; EP2801708A1; DE102013104810A1; US9374632B2; US8708094B2; EP2818654A1; DE102013010609A1; US9706295B2; DE102013010609B4; US8708095B2; US9728176B2; US10576885B2; US7533759B2; EP2530263A1; EP2600342A2; DE102012023643A1; DE202012012724U1; US9025786B2; US9386366B2; EP3156999B1; EP2543835A1; DE102011106647A1; EP2590163A2; DE102011117495A1; EP2723099A1; DE102012109872A1; US8930071B2; US9084039B2; US9591387B2

Designated contracting state (EPC)
DE ES FR GB SE

DOCDB simple family (publication)
EP 0674097 A1 19950927; IT 1267402 B1 19970205; IT TO940109 A0 19940222; IT TO940109 A1 19950822

DOCDB simple family (application)
EP 95102257 A 19950217; IT TO940109 A 19940222