

Title (en)
ACTIVE SOUND DAMPER

Title (de)
AKTIVER SCHALLDÄMPFER

Title (fr)
ATTENUATEUR DE BRUIT ACTIF

Publication
EP 0707737 B1 19981104 (DE)

Application
EP 94918733 A 19940623

Priority
• DE 9400723 W 19940623
• DE 4322627 A 19930707

Abstract (en)
[origin: US5677958A] PCT No. PCT/DE94/00723 Sec. 371 Date Jan. 5, 1996 Sec. 102(e) Date Jan. 5, 1996 PCT Filed Jun. 23, 1994 PCT Pub. No. WO95/02238 PCT Pub. Date Jan. 19, 1995 An active sound damper for compensating interference noise radiated by an interference noise source through a radiation opening of the interference source. The radiation opening of the interference noise source defines a radiation plane and has a center. The sound damper includes a speaker for radiating compensation sound for reciprocally effecting one of a weakening and a cancelling of the interference noise by interfering with the interference noise, the speaker having a speaker cone and defining a longitudinal axis. The speaker is further adapted to be mounted on the radiation opening such that its longitudinal axis is disposed to transversely intersect the radiation plane at the center of the radiation opening and such that the speaker cone radially surrounds the radiation opening.

IPC 1-7
G10K 11/178

IPC 8 full level
F01N 1/00 (2006.01); **F01N 1/06** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP KR US)
F01N 1/065 (2013.01 - EP US); **G10K 11/178** (2013.01 - KR); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17861** (2017.12 - EP US); **G10K 11/17875** (2017.12 - EP US); **G10K 2210/103** (2013.01 - EP US); **G10K 2210/12822** (2013.01 - EP US); **G10K 2210/3212** (2013.01 - EP US); **G10K 2210/3214** (2013.01 - EP US); **G10K 2210/3216** (2013.01 - EP US); **H04R 9/022** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE ES FR GB IT NL PT SE

DOCDB simple family (publication)
US 5677958 A 19971014; AU 6993794 A 19950206; CA 2166282 A1 19950119; CN 1064158 C 20010404; CN 1126525 A 19960710; CZ 1996 A3 19960612; CZ 284565 B6 19990113; DE 4494827 D2 19960822; DE 59407238 D1 19981210; EP 0707737 A1 19960424; EP 0707737 B1 19981104; ES 2126121 T3 19990316; JP H08512410 A 19961224; KR 960703256 A 19960619; PL 173055 B1 19980130; PL 310994 A1 19960122; WO 9502238 A1 19950119

DOCDB simple family (application)
US 58160096 A 19960105; AU 6993794 A 19940623; CA 2166282 A 19940623; CN 94192686 A 19940623; CZ 1996 A 19940623; DE 4494827 T 19940623; DE 59407238 T 19940623; DE 9400723 W 19940623; EP 94918733 A 19940623; ES 94918733 T 19940623; JP 50374495 A 19940623; KR 19950705702 A 19951215; PL 31099494 A 19940623