

Title (en)
A SOUND DAMPING DEVICE

Title (de)
SCHALLDÄMPFUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'AMORTISSEMENT SONORE

Publication
EP 3453015 A1 20190313 (EN)

Application
EP 17720826 A 20170504

Priority

- EP 16168377 A 20160504
- US 201662331704 P 20160504
- EP 2017060725 W 20170504

Abstract (en)

[origin: EP3242292A1] A sound damping device comprises a first flow channel device (4) and a second flow channel device (6) separated from one another with an intermediate wall (8; 8a, 8b, 8c, 8d, 8e), said intermediate wall being at least partly provided with a sound attenuating means (9), wherein said first flow channel device (4) has a first inlet (5a) and a first outlet (5b) for a first flow and said second flow channel device (6) has a second inlet (7a) and a second outlet (7b) for a second flow. In accordance with the invention, at least said first flow channel device (4) is configured and adapted in such a way that a dynamic pressure difference is created over said sound attenuating means (9) with respect to the second flow channel device (6).

IPC 8 full level

F01N 1/06 (2006.01); **F01N 1/08** (2006.01); **F01N 1/10** (2006.01); **F01N 1/16** (2006.01); **F01N 1/24** (2006.01); **F16L 55/027** (2006.01); **F16L 55/033** (2006.01); **F24F 13/24** (2006.01); **G10K 11/16** (2006.01); **G10K 11/175** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)

F01N 1/00 (2013.01 - EP); **F01N 1/06** (2013.01 - EP); **F01N 1/065** (2013.01 - EP); **F01N 1/083** (2013.01 - EP); **F01N 1/084** (2013.01 - EP); **F01N 1/10** (2013.01 - EP); **F01N 1/16** (2013.01 - EP); **F01N 1/161** (2013.01 - EP); **F01N 1/163** (2013.01 - EP); **F01N 1/166** (2013.01 - EP); **F01N 1/24** (2013.01 - EP); **F16L 55/02718** (2013.01 - EP); **F16L 55/02736** (2013.01 - EP); **F16L 55/02763** (2013.01 - EP); **F16L 55/02781** (2013.01 - EP); **F16L 55/0279** (2013.01 - EP); **F16L 55/0333** (2013.01 - EP); **F16L 55/0336** (2013.01 - EP); **F24F 13/24** (2013.01 - EP); **G10K 11/161** (2013.01 - EP US); **G10K 11/175** (2013.01 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17861** (2017.12 - EP US); **G10K 11/17873** (2017.12 - EP US); **F01N 2560/08** (2013.01 - EP); **F24F 2013/242** (2013.01 - EP); **F24F 2013/245** (2013.01 - EP); **F24F 2013/247** (2013.01 - EP); **G10K 2210/104** (2013.01 - EP); **G10K 2210/12822** (2013.01 - EP)

Citation (search report)

See references of WO 2017191293A1

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3242292 A1 20171108; EP 3453015 A1 20190313; WO 2017191293 A1 20171109

DOCDB simple family (application)

EP 16168377 A 20160504; EP 17720826 A 20170504; EP 2017060725 W 20170504