

Title (en)
SOUND-ABSORBING ARRANGEMENT

Title (de)
SCHALLSCHLUCKENDE ANORDNUNG

Title (fr)
DISPOSITIF D'INSONORISATION

Publication
EP 2195512 A1 20100616 (EN)

Application
EP 08834479 A 20080918

Priority
• SE 2008051046 W 20080918
• SE 0702130 A 20070925

Abstract (en)
[origin: WO2009041892A1] The present invention relates to a sound-damping arrangement. The sound-damping arrangement comprises a sound-damping container (3) with an internal space (3a), an inlet line (2) adapted to leading a fluid to the container (3) from a machine (1) which generates during operation a dominant noise with a frequency which is related to the speed of the machine, and an outlet line (4) adapted to leading the fluid out from the container (3). The arrangement comprises also a line element (5) which has an internal passage which connects the inlet line (2) and the outlet line (4) at a position in the vicinity of the sound-damping container (3), and an adjusting device (5a-d, 6- 9) adapted to adjusting the configuration of the passage and hence the acoustic characteristics of the sound-damping container so that the latter continuously assumes a natural frequency corresponding to the dominant sound frequency generated by the machine at its current speed.

IPC 8 full level
F01N 1/02 (2006.01); **F01N 1/16** (2006.01); **G10K 11/172** (2006.01)

CPC (source: EP SE)
F01N 1/02 (2013.01 - SE); **F01N 1/08** (2013.01 - EP); **F01N 1/165** (2013.01 - EP SE); **F01N 1/166** (2013.01 - EP);
G10K 11/172 (2013.01 - EP SE); **F01N 2410/00** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009041892 A1 20090402; AU 2008305782 A1 20090402; AU 2008305782 B2 20120906; BR PI0816220 A2 20150616;
CN 101802352 A 20100811; CN 101802352 B 20130313; EP 2195512 A1 20100616; EP 2195512 A4 20171129; EP 2195512 B1 20181128;
KR 101648526 B1 20160816; KR 20100061568 A 20100607; SE 0702130 L 20090326; SE 531516 C2 20090505

DOCDB simple family (application)
SE 2008051046 W 20080918; AU 2008305782 A 20080918; BR PI0816220 A 20080918; CN 200880107858 A 20080918;
EP 08834479 A 20080918; KR 20107009125 A 20080918; SE 0702130 A 20070925