

Title (en)
SOUND ATTENUATION DEVICE AND METHOD

Title (de)
SCHALLDÄMPFUNGSVORRICHTUNG UND -VERFAHREN

Title (fr)
DISPOSITIF ET MÉTHODE D'ATTÉNUATION DU SON

Publication
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Application
EP 15736467 A 20150709

Priority
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• EP 2015065678 W 20150709

Abstract (en)
[origin: WO2016005489A2] The invention relates, in particular, to an attenuation device intended for attenuating sound waves generated by a source (1) emitting sound waves of which the frequencies are between f1 and f2 and of which the pressure levels are between n1 and n2, the attenuation device comprising at least one sound absorber (11) comprising at least one non-linear membrane; - the attenuation device being configured such that the first face (13) of the absorber (11) is in acoustic communication with the source (1); - the attenuation device comprises at least one coupling element (16) for coupling the second face (14) with the source (1), the coupling element (16) being configured to transmit, to the second face (14), sound waves depending on the sound waves emitted by the source (1), and of which the phase and/or the amplitude results in a pressure differential of the sound waves arriving at the first and second faces respectively at the same time. The invention also comprises a sound attenuation system and method.

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Citation (search report)
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