

Title (en)

A SYSTEM AND A METHOD FOR ACOUSTIC NOISE CONTROL

Title (de)

SYSTEM UND VERFAHREN ZUR AKUSTISCHEN RAUSCHSTEUERUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE RÉGULATION DE BRUIT ACOUSTIQUE

Publication

EP 4411727 A1 20240807 (EN)

Application

EP 23154360 A 20230131

Priority

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Abstract (en)

The present invention belongs to the field of acoustics, more particularly to devices and methods for minimizing noise of various devices. The invention relates to a system and a method for acoustic noise control of various noise generating devices, such as heat pumps, AC systems, compressor systems, ventilation, and other HVAC systems, as well as motors, engines and similar. The essence of the invention is positioning and orientation of the source of cancellation sound, i.e., the secondary noise source, which is installed at, next to, or in the vicinity of the noise source to be cancelled, i.e., the primary noise source, and most importantly in the same compartment as the primary noise source. The same compartment means that there are no obstacles (physical barriers) between the source of cancellation sound and primary noise source.

IPC 8 full level

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CPC (source: EP)

G10K 11/17857 (2018.01); **G10K 11/17881** (2018.01); **G10K 2210/106** (2013.01); **G10K 2210/3216** (2013.01)

Citation (applicant)

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- EP 3240974 A2 20171108 - ROTEX HEATING SYSTEMS GMBH [DE]
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Citation (search report)

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- [Y] EP 0847576 B1 20000621 - UNITED TECHNOLOGIES CORP [US]
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Designated contracting state (EPC)

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