Title (en)

METHOD AND APPARATUS TO ELIMINATE BOTH ACOUSTICAL AND MECHANICAL VIBRATIONAL EFFECTS

Publication

EP 0103256 B1 19880224 (FR)

Application

EP 83108765 A 19830906

Priority

FR 8215280 A 19820909

Abstract (en)

[origin: EP0103256A1] 1. A device for eliminating the effects of acoustic or mechanical vibrations on a zone to be protected, these vibrations coming from a source, the device comprising a first probe for receiving the vibrations to be eliminated, a second probe located on the source, a narrow filter connected to the output of the second probe, a transducer for generating vibrations which oppose themselves to the vibrations to be eliminated, and processing means for receiving the output signals of the first probe and of the filter, characterized in that the first probe (1, 1') is located upstream of the zone to be protected with respect to the source (AP, AP'), and that the processing means (8) include a group of narrow filters (3a to 3n) connected to the output of the second probe (2, 2'), a group of complex correlators (4a to 4n) for correlating the output signals of the first probe with the signals of each of the narrow filters respectively, and an adder (5) for adding the output signals of the correlators and for delivering the signal for controlling the transducer (HP, AM).

IPC 1-7

G10K 11/16

IPC 8 full level

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CPC (source: EP US)

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Cited by

US5691893A; AU660291B2; DE4432532A1; WO9409482A1; WO9208224A1

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EP 0103256 A1 19840321; **EP 0103256 B1 19880224**; AU 1874983 A 19840315; CA 1208351 A 19860722; DE 3375744 D1 19880331; FR 2533057 A1 19840316; FR 2533057 B1 19860516

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