

Title (en)  
SOUND ABSORBING ELEMENT UTILIZING THE EFFECT OF COINCIDENCE

Publication  
**EP 0041260 B1 19840822 (DE)**

Application  
**EP 81104147 A 19810530**

Priority  
DE 3020830 A 19800602

Abstract (en)  
[origin: EP0041260A1] 1. Absorption element based on the coincidence effect with a closed surface, characterized by 2 parallel coincidence wave guides with a periodic trapezoidal, corrugated or double-corrugated cross sections, where the areal moment of inertia, the young-moduls and the density of the wave guides, for example aluminium steel, carbon-fiber- plastics, glass-fiber-plastics chosen in such a manner, that for a given excitation frequency the bending wave velocity of the coincidence wave guide corresponds to the tracevelocity of the incidencing sound wave and where the enclosed space between the guides is gas proof sealed and filled with a gas of a high speed of sound such as hydrogen or helium and that for positioning of the coincidence wave guides separators are used.

IPC 1-7  
**G10K 11/16**; **F16L 55/02**

IPC 8 full level  
**F16L 55/02** (2006.01); **G10K 11/16** (2006.01)

CPC (source: EP)  
**G10K 11/16** (2013.01)

Cited by  
FR2691828A1; FR2704969A1; US5724432A; EP0710946A1; FR2726681A1; US5627897A; WO9427283A1

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