

Title (en)

Sound absorber.

Title (de)

Schallabsorbierendes Paneel.

Title (fr)

Panneau absorbant les sons.

Publication

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Application

EP 90112461 A 19900629

Priority

JP 16914089 A 19890630

Abstract (en)

A sound absorber body (1) includes a plurality of cell-like spaces (3) defined by walls (2), whose ends are open at a sound absorption side and closed at the other side. The cell-like spaces have different lengths, and part of the cell-like spaces having longer lengths are bent so as to be disposed behind adjacent shorter cell-like spaces. Arrangement of the lengths of the cell-like spaces may be determined in accordance with a two-dimensional quadratic residue series with modulo of a prime number.

IPC 1-7

E04B 1/84; G10K 11/16

IPC 8 full level

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CPC (source: EP)

E04B 1/8404 (2013.01); **G10K 11/172** (2013.01); **E04B 2001/848** (2013.01)

Citation (search report)

- [X] FR 2214932 A1 19740819 - LOCKHEED AIRCRAFT CORP [US]
- [Y] US 1972563 A 19340904 - RICHARD IRVIN
- [Y] US 3693750 A 19720926 - TAKKUNEN PHILIP D
- [Y] US 4384020 A 19830517 - BEGGS STANLEY L, et al

Cited by

CN112185327A; CN114909223A; CN102737627A; EP1343142A3; CN105719638A; EP0683480A1; CN108385849A; CN105719634A; CN108374359A; US6568135B1; EP1046749A3; CN108154875A; CN109581848A; CN113002695A; US2023349151A1; CN102474692A; CN111636761A; CN105810186A; CN108305608A; EP4120243A4; US11668236B2; US11970992B2; US11434819B2; WO9928558A3; WO9623294A1; WO03076736A1; WO9940567A1; US10823059B2; US11059559B2; US11965425B2; US11047304B2; US11885264B2

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