

Title (en)
Sound absorber.

Title (de)
Schallabsorbierendes Paneel.

Title (fr)
Panneau absorbant les sons.

Publication
EP 0405581 A1 19910102 (EN)

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
G10K 11/16 (2006.01); **E04B 1/84** (2006.01); **G10K 11/172** (2006.01)

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

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0405581 A1 19910102; **EP 0405581 B1 19931027**; DE 69004166 D1 19931202; DE 69004166 T2 19940421; JP 2933322 B2 19990809; JP H0333897 A 19910214

DOCDB simple family (application)
EP 90112461 A 19900629; DE 69004166 T 19900629; JP 16914089 A 19890630