

Title (en)

SOUND ABSORBING STRUCTURE AND METHOD OF PRODUCING THE SAME

Title (de)

SCHALLABSORBTIONSSTRUKTUR UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

STRUCTURE D'ABSORPTION PHONIQUE ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication

EP 1662480 A4 20130123 (EN)

Application

EP 04772520 A 20040831

Priority

- JP 2004012564 W 20040831
- JP 2003313869 A 20030905

Abstract (en)

[origin: EP1662480A1] A peak frequency having a high sound absorption coefficient is enlarged. A sound absorbing structure body comprises a concave-convex plate (2), a closure plate (1), and first and second partition plates (11) and (12). The concave-convex plate (2) includes a convex portion (3) and a concave portion (4) (concave-convex portion) and an opening (5). The closure plate (1) is bonded to the concave-convex plate (2) so as to form a hollow portion (6) by closing one of the convex portion (3) and the concave portion (4), and the hollow portion (6) is communicated with an outside space through the opening (5). The first and second partition plates (11) and (12) have a number of through holes (11a) and (12a) respectively, and the first and second partition plates (11) and (12) partition the hollow portion (6) into at least two partitioned spaces.

IPC 8 full level

G10K 11/172 (2006.01)

CPC (source: EP KR US)

G10K 11/00 (2013.01 - KR); **G10K 11/172** (2013.01 - EP KR US)

Citation (search report)

- [XAI] US 6114652 A 20000905 - CLARKE JAMES A [US], et al
- [XAI] US 3866001 A 19750211 - KLEINSCHMIDT KLAUS, et al
- [A] JP H08301024 A 19961119 - TOYODA GOSEI KK
- [A] DE 4035177 A1 19920514 - DIEDRICHS HELMUT W [DE]
- [A] GB 827042 A 19600203 - GOMMA ANTIVIBRANTI APPLIC
- [A] US 3819007 A 19740625 - WIRT L, et al
- See references of WO 2005024778A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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