

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

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Application

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Priority

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Abstract (en)

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.

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