

Title (en)
SOUND-ADJUSTING PLATE.

Title (de)
SCHALLREGULIERENDE PLATTE.

Title (fr)
PLAQUE DE REGULATION ACOUSTIQUE.

Publication
EP 0139765 A4 19851014 (EN)

Application
EP 84901403 A 19840330

Priority
• JP 3223684 U 19840305
• JP 4615883 U 19830330

Abstract (en)
[origin: WO8403982A1] A sound-adjusting plate constituted by a member with a hollow laminated structure. This plate can be employed as a support for a speaker unit, or it can be provided behind a speaker unit to absorb or dampen the sound energy coming from the speaker unit, to reduce any adverse effects due to the sound. For this purpose, paper roll cores (11) are used as a core material, and the surface of the openings (14) thereof on one side is covered with a porous cover sheet (12) such as a napped cloth, a flocked cloth, or felt, while the surface (15) of the other openings thereof is covered with a sheet (13) which is impermeable to air, such as lead sheeting or a plastic sheet containing iron powder. Sound within the treble region is absorbed by the porous cover sheet (12), while sounds in the middle and bass regions are absorbed by cells (18) and gaps (19) formed by the roll cores (11). Both the roll cores (11) and the impermeable sheet (13) act as vibration dampers to prevent the propagation of vibrations due to low-pitched sounds to the walls or floor.

IPC 1-7
G10K 11/16; E04B 1/86

IPC 8 full level
G10K 11/172 (2006.01)

CPC (source: EP)
G10K 11/172 (2013.01)

Citation (search report)
• [X] US 3166149 A 19650119
• [X] GB 2056367 A 19810318 - ROHR INDUSTRIES INC
• [X] US 4379191 A 19830405 - BEGGS STANLEY L, et al

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 8403982 A1 19841011; EP 0139765 A1 19850508; EP 0139765 A4 19851014

DOCDB simple family (application)
JP 8400153 W 19840330; EP 84901403 A 19840330