

Title (en)  
Sound-insulating and heat insulating panel.

Title (de)  
Schall- und wärmeisolierende Platte.

Title (fr)  
Panneau d'isolation acoustique et thermique.

Publication  
**EP 0536078 A1 19930407 (EN)**

Application  
**EP 92500123 A 19920930**

Priority  
• ES 9102171 A 19911003  
• ES 9201182 A 19920608

Abstract (en)  
The panel (1) consists of either one or two corrugated sheets (2) with parallel cavities (5) open on both faces, at least one of which is covered by a sheet (6). It is also possible that the panel consists of two juxtaposed corrugated sheets (2). The panel (1) possesses a certain amount of elasticity to increase its ability to absorb sound waves and thermal radiation incident transversely thereon. At the same time the panel (1) is strong in the longitudinal direction in order to withstand the forces to which it is subjected once fitted. Sound resonators can be formed within each of said air chambers (5), by providing within the air chamber (5) and transversely thereto, a cover (10) provided with an axial orifice (11) and a closed cover (12). <IMAGE>

IPC 1-7  
**E04B 1/90**; **E06B 5/20**

IPC 8 full level  
**E04B 1/90** (2006.01); **E04C 2/32** (2006.01); **E06B 5/20** (2006.01); **G10K 11/172** (2006.01); **E04B 1/74** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP)  
**E04B 1/90** (2013.01); **E04C 2/322** (2013.01); **E06B 5/20** (2013.01); **G10K 11/172** (2013.01); **E04B 2001/747** (2013.01); **E04B 2001/8471** (2013.01); **E04B 2001/8476** (2013.01)

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Designated contracting state (EPC)  
DE FR GB IT

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