

Title (en)

A SOUND-DAMPING WALL ELEMENT HAVING A FRAME AND AT LEAST TWO PANELS

Publication

EP 0296690 B1 19910109 (EN)

Application

EP 88201302 A 19880623

Priority

NL 8701475 A 19870624

Abstract (en)

[origin: EP0296690A1] A sound-damping wall element having a frame (1a-d) and at least two panels (2, 3) connected to the frame in such a manner that there is produced an inner space (4) that is sealed off from the surroundings and which is bounded on the one hand by the inner surfaces of the panels and on the other hand by an inner circumferential surface of the frame extending from one panel to the other. Spaced apart from the inner circumferential surface of the frame, and inwardly relatively thereto, there is provided along at least a part of its circumferential length, a surface (5a, b) extending from one panel to the other and forming part of an element. Said element has at least one opening (7) that connects the sealed inner space on one side of the element to that on the other side. The arrangement is such that there is formed between frame and element a space (6a, b) which, together with the opening or openings in the element, functions as a sound-damping resonator.

IPC 1-7

E06B 5/20

IPC 8 full level

E04C 2/38 (2006.01); **E06B 5/20** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP)

E04C 2/386 (2013.01); **E06B 5/20** (2013.01); **E04B 2001/8452** (2013.01)

Cited by

US5683764A; ES2079257A1; JP2019035321A; GB2308400A; EP0536078A1

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EP 0296690 A1 19881228; **EP 0296690 B1 19910109**; DE 3861496 D1 19910214; NL 8701475 A 19890116

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