

Title (en)

Metallic structure, consisting of two facings and an internal core, and a silencer made from this structure

Title (de)

Metallstruktur, bestehend aus zwei Verkleidungen und eine inneren Verstärkung, und diese enthaltende Auspufftopf

Title (fr)

Flan comportant deux parements et une âme interne et pot d'échappement le comportant

Publication

EP 0884429 A1 19981216 (FR)

Application

EP 98401050 A 19980429

Priority

FR 9705417 A 19970430

Abstract (en)

The panel is made from two layers (12, 14) of sheet metal, 0.2 to 0.4 mm thick, with a core (16) between them. The core is attached, e.g. by welding or adhesion, to the inner surface of one wall at the points (18) where it makes contact with it, while the core and the second wall are able to slide freely relative to one another. The panel's inner core can be made from expanded metal sheet or mesh, and in one variant of the design the panel can incorporate a layer of a sound insulating material, especially of fibre, between the core and the second wall. The insulating material is e.g. of ceramic fibres and is connected neither to the core or the adjacent wall.

IPC 1-7

E04C 2/34; B32B 15/01; F01N 1/24

IPC 8 full level

E04C 2/34 (2006.01); **F01N 1/24** (2006.01); **F01N 3/28** (2006.01); **F01N 13/16** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)

E04C 2/3405 (2013.01); **F01N 1/24** (2013.01); **F01N 3/2853** (2013.01); **F01N 3/2864** (2013.01); **F01N 3/2875** (2013.01); **F01N 13/16** (2013.01); **F01N 13/18** (2013.01); **F01N 13/1811** (2013.01); **E04C 2002/3466** (2013.01); **F01N 2310/02** (2013.01); **F01N 2450/22** (2013.01)

Citation (search report)

- [XD] EP 0145577 A2 19850619 - LESOURD HUGUES & FR 2556651 A2 19850621 - LESOURD HUGUES [FR]
- [A] GB 2256006 A 19921125 - HARBURY HOLDINGS INC [GB]

Cited by

CN113561497A; FR2883033A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

FR 2762874 A1 19981106; **FR 2762874 B1 19990716**; DE 69815597 D1 20030724; DE 69815597 T2 20040513; EP 0884429 A1 19981216; EP 0884429 B1 20030618

DOCDB simple family (application)

FR 9705417 A 19970430; DE 69815597 T 19980429; EP 98401050 A 19980429