

Title (en)

Metallic thermal insulator especially for nuclear installations.

Title (de)

Metallische Wärmeisolation, insbesondere für Kernkraftwerke.

Title (fr)

Calorifuge métallique en particulier pour l'industrie nucléaire.

Publication

**EP 0004518 A1 19791003 (FR)**

Application

**EP 79400201 A 19790329**

Priority

FR 7809086 A 19780329

Abstract (en)

1. A metallic heat-insulation formed of a stack of alternate metal sheets (1) and cellular panels, characterized in that each of the said cellular panels is produced in a manner in itself known, by after-stretching of expanded metal after it has previously been cut out and embossed, so as to finish up with a plane structure having substantially square or rectangular cells, bounded in thickness by the two planes formed by the sheets (1) and formed of straps (2, 4 to 6) all perpendicular to these two planes, each of the cells including a first pair of sides facing one another and composed each of a double strap (2) of the same width for each of them and a second pair of sides (3) facing one another and formed each of two straps (4, 5) placed end to end and "like tiles" (Figure 2), the sum of the widths of these two straps being furthermore equal to the width of the double straps (2) forming the first two sides, the said metallic cellular panel being placed in such a way that the double straps (2) are at right angles to the direction of convection (B).

Abstract (fr)

Nouveau matériau constitué par un panneau métallique alvéolé. Le panneau de l'invention est obtenu par étirage de métal déployé. Il se présente comme une structure en nid d'abeilles à alvéoles carrées, de surface plane, de lanières perpendiculaires à ladite surface plane. Chacune des alvéoles comporte une première paire de côtés (2) se faisant face, chacun composé d'une double lanière de même largeur, et une seconde paire de côtés (3) se faisant face et constitués chacun de deux lanières mises bout à bout et en tuiles. L'invention trouve une application particulièrement intéressante pour la réalisation de calorifuges.

IPC 1-7

**E04C 2/36**; **E04C 2/42**

IPC 8 full level

**E04C 2/36** (2006.01); **E04C 2/42** (2006.01)

CPC (source: EP)

**E04C 2/36** (2013.01); **E04C 2/427** (2013.01)

Citation (search report)

- US 2609781 A 19520909 - GRUETJEN FREDERICK A
- FR 2249769 A1 19750530 - ROLLS ROYCE [GB]

Cited by

FR2728603A1; EP0583684A1

Designated contracting state (EPC)

BE DE IT

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**EP 0004518 A1 19791003**; **EP 0004518 B1 19820210**; DE 2962082 D1 19820318; ES 479028 A1 19791116; FR 2421054 A1 19791026; FR 2421054 B1 19810911

DOCDB simple family (application)

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