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(54) **Inspection hatches for plasterboard ceilings and walls**

Revisionsabdeckungen für Decken und Wände aus Gipskartonplatten

Trappes de visite pour des plafonds et des revêtements en plaques de plâtre

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- **PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11, 3 January 2001 (2001-01-03)-& JP 2000 220286 A (RIKEN ALUM KENZAI KK), 8 August 2000 (2000-08-08)**

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Description

[0001] The present invention relates to the production of hatches for periodic inspection of areas located behind ceilings and walls made of plasterboard.

[0002] In practice, these are detachable panels that have the same characteristics as the ceilings and walls that accommodate them and with which they must ensure, if required, a perfect seal.

[0003] European Patent No. 0 567 731 A discloses an inspection hatch and a metal plate perimetrimally limiting an opening for the hatch in which the metal plate is a L-shaped profile, according to the preamble of claim 1.

[0004] The characteristics of the invention are described, by way of example only, in the attached drawings in which:

Figures 1 and 2 are vertical sectional views of a ceiling and of the corresponding hatch according to the invention, before and after positioning for closure.

[0005] With reference to the drawings and referring to the example of Figures 1 and 2, in a ceiling A, formed by plasterboard sheets of the type in which a gypsum plaster sheet 2 is sandwiched between heavy paper layers 1 and 3, an opening B for a hatch is delimited perimetrimally by a metal plate 4 that is folded so as to have an L-shaped profile and is fixed to the plasterboard by self-drilling screws 5.

[0006] It is also noted that if the ceiling is reinforced by metal stringers 7 folded so as to have a C-shaped profile, the opening B for the hatch can be delimited by a profiled element 6 that is fixed to a stringer 7 by way of screw means 8 and 9.

[0007] The hatch C is constituted by a sheet of plasterboard that is framed perimetrimally by a strip 10 to which L-shaped profiled elements 11 and 12 are welded: the first profiled element is designed to fix from below the plasterboard sheet by means of self-drilling screws 5 and the second profiled element is designed to allow abutment contact around the space B.

[0008] It is evident that without altering the general characteristics that have been described and illustrated, the present invention can be susceptible of modifications and variations that are in any case within the scope of the appended claims.

[0009] Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly such reference signs do not have any limiting effect on the interpretation of each element identified by way of example by such reference signs.

Claims

1. Inspection hatch and a metal plate (4) perimetrimally

limiting an opening (B) for the hatch for plasterboard ceilings and walls, said ceiling (A) and walls formed by sheets of plasterboard of the type in which a gypsum plaster sheet (2) is sandwiched between layers of heavy paper (1, 3) in which the plate is fixed to the plasterboard by self-drilling screws (5), said plate being folded so as to assume an L-shaped profile, **characterized in that** the inspection hatch (C) is constituted by a sheet of plasterboard that is framed perimetrimally by a strip (10) to which L-shaped profiled elements (11, 12) are welded: a first profiled element being welded in order to fix from below the plasterboard sheet by means of self-drilling screws (5), a second profiled element being welded so as to allow resting by abutment around the opening (B).

2. The inspection hatch for plasterboard ceilings and walls according to claim 1, **characterized in that** the ceiling is reinforced by metal stringers (7) that are folded so as to assume a C-shaped profile, said opening (B) for the hatch is delimited by a profiled element (6) that is fixed to the stringer (7) by way of screw means (8, 9).

Patentansprüche

1. Revisionsabdeckung und eine Metallplatte (4), die eine Öffnung (B) für die Abdeckung für Decken und Wände aus Gipskartonplatten umfangsmäßig begrenzt, wobei die Decke (A) und die Wände durch Tafeln von Gipskartonplatten von dem Typ ausgebildet sind, bei welchem eine Gipsputztafel (2) zwischen Schichten aus dickem Papier (1, 3) eingelegt ist, wobei die Platte durch selbstbohrende Schrauben (5) an der Gipskartonplatte fixiert ist, wobei die Platte derart gefaltet ist, dass sie ein L-förmiges Profil annimmt, **dadurch gekennzeichnet, dass** die Revisionsabdeckung (C) durch eine Tafel einer Gipskartonplatte gebildet ist, die umfangsmäßig durch einen Streifen (10) gerahmt ist, an welchem L-förmige Profilelemente (11, 12) geschweißt sind: wobei ein erstes Profilelement derart geschweißt ist, dass die Gipskartonplattentafel mittels selbstbohrender Schrauben (5) von unten fixiert ist, und wobei ein zweites Profilelement derart geschweißt ist, dass durch ein Angrenzen um die Öffnung (B) ein Ruhen zugelassen ist.

2. Revisionsabdeckung für Decken und Wände aus Gipskartonplatten nach Anspruch 1, **dadurch gekennzeichnet, dass** die Decke durch Längsversteifungen aus Metall (7) verstärkt ist, die derart gefaltet sind, dass sie ein C-förmiges Profil annehmen, wobei die Öffnung (B) für die Abdeckung durch ein Profilelement (6) begrenzt ist, das mittels einer Schraubeneinrichtung (8, 9) an der Längsversteifung (7) fixiert ist.

Revendications

1. Trappe de visite et une plaque métallique (4) limitant de manière périmétrique une ouverture (B) pour la trappe de plafonds et parois en plaque de plâtre, lesdits plafond (A) et parois étant formés par des feuilles de plaque de plâtre du type dans lequel une feuille de plâtre (2) est placée en sandwich entre des couches de papier lourd (1, 3) dans lequel la plaque est fixée à la plaque de plâtre par des vis autoperceuses (5), ladite plaque étant pliée de manière à adopter un profil en forme de L, **caractérisée en ce que** la trappe de visite (C) est constituée par une feuille de plaque de plâtre qui est entourée de manière périmétrique par une bande (10) à laquelle des éléments profilés en forme de L (11, 12) sont soudés : un premier élément profilé étant soudé afin de fixer du dessous la feuille de plaque de plâtre au moyen de vis autoperceuses (5), un second élément profilé étant soudé de manière à être autorisé à reposer en butée autour de l'ouverture (B).
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2. Trappe de visite pour plafonds et parois en plaque de plâtre selon la revendication 1, **caractérisée en ce que** le plafond est renforcé par des limons métalliques (7) qui sont pliés pour adopter un profil en forme de C, ladite ouverture (B) pour la trappe est délimitée par un élément profilé (6) qui est fixé au limon (7) par des moyens formant vis (8, 9).
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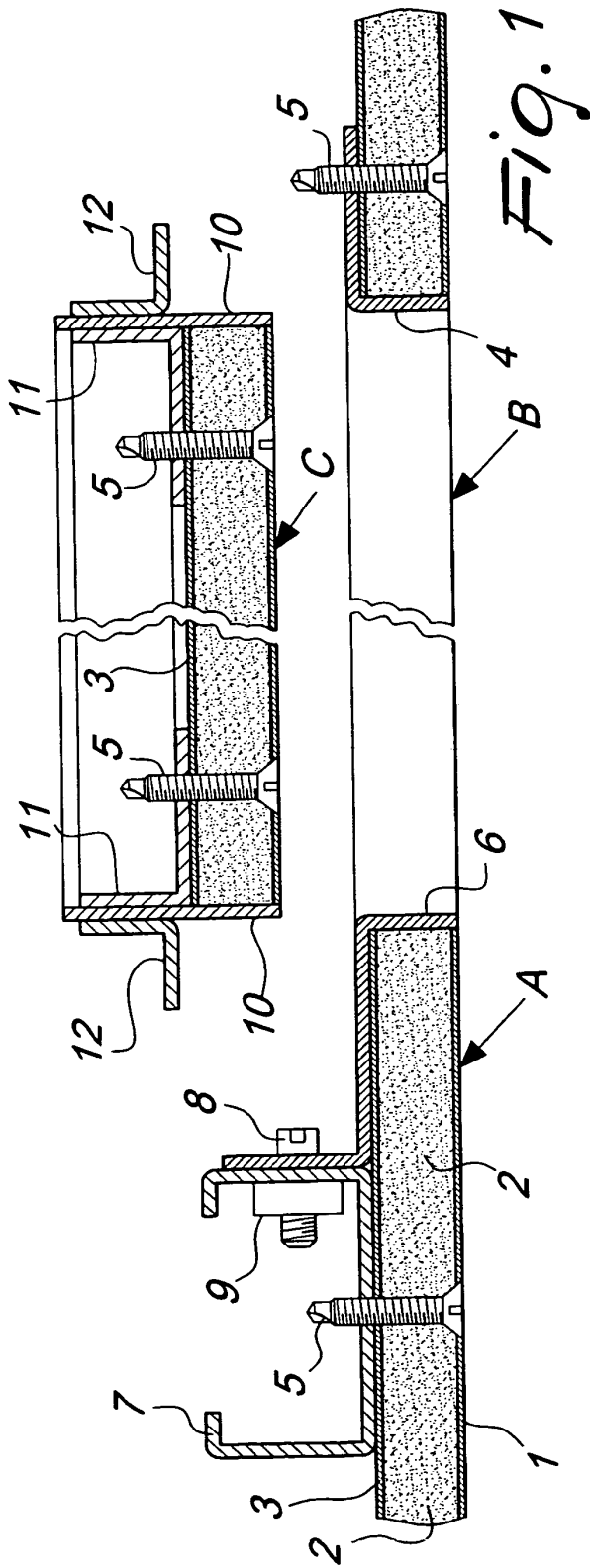


Fig. 1

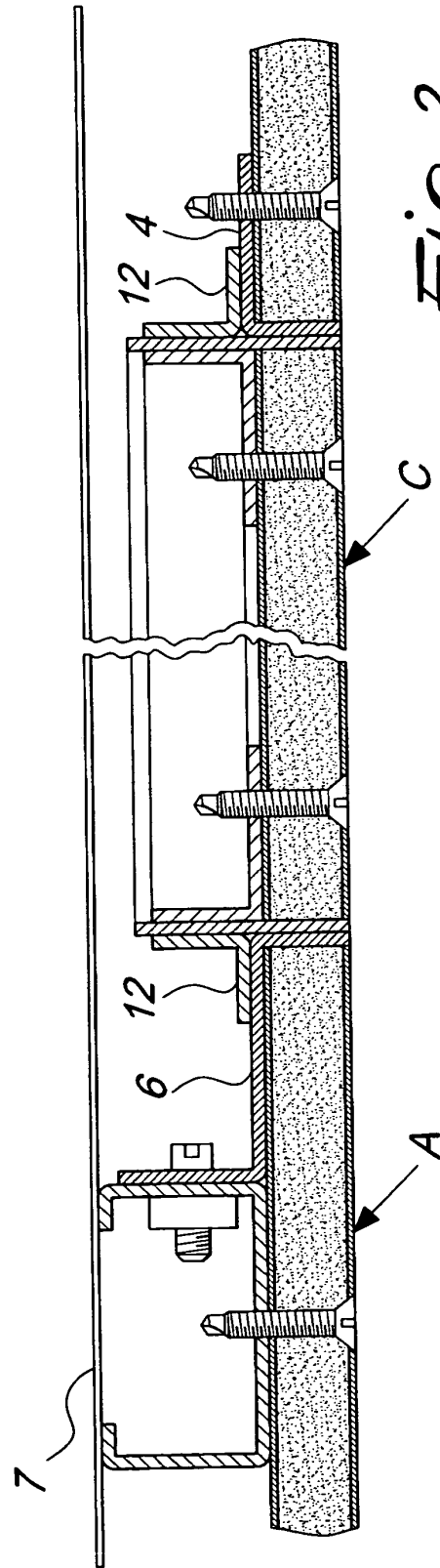


Fig. 2

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

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