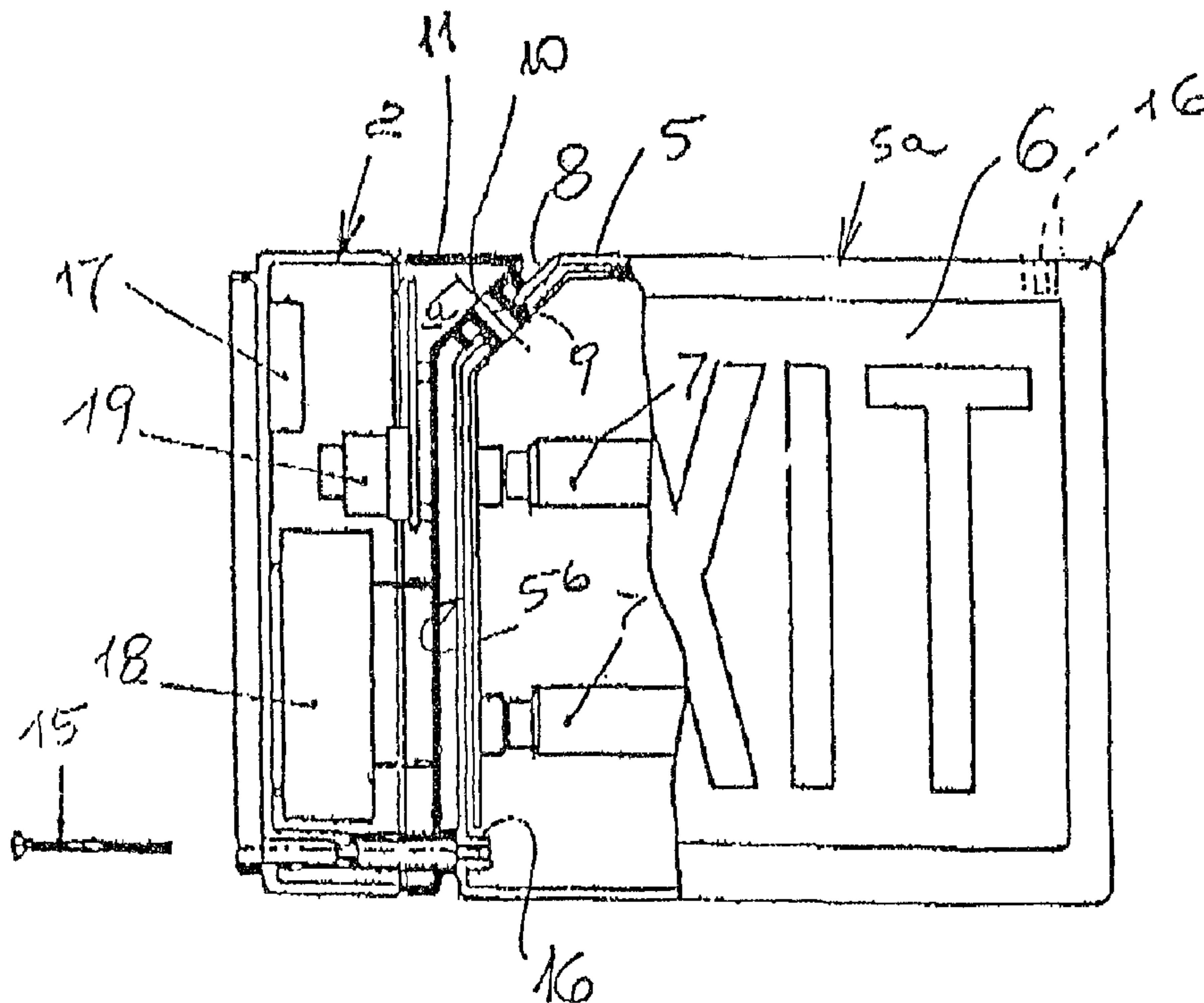




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(54) Titre : PANNEAU INDICATEUR MONTE SUR UN MUR OU SUR UNE POUTRE
 (54) Title: SIGN PROJECTING FROM VERTICAL WALLS OR HORIZONTAL BEAMS



(57) Abrégé/Abstract:

This invention relates to means for indication and/or illumination which can be mounted to project from vertical walls and horizontal beams consisting of a sign portion of substantially prismatic shape hinged to a supporting member adapted for attachment to a wall or beam, the sign portion of which has two diverging faces joined by a bevel portion having a flat surface lying at right angles to the bisector of the dihedral formed by the surfaces of the diverging faces, on which bevel portion are provided hinge means having an axis at right angles to the flat surface of the bevel portion. An attachment member is provided in the supporting member which can be engaged by one of the diverging faces placed in front thereof and rigidly attached thereto.

ABSTRACT

This invention relates to means for indication and/or illumination which can be mounted to project from vertical walls and horizontal beams consisting of a sign portion of substantially prismatic shape hinged to a supporting member adapted for attachment to a wall or beam, the sign portion of which has two diverging faces joined by a bevel portion having a flat surface lying at right angles to the bisector of the dihedral formed by the surfaces of the diverging faces, on which bevel portion are provided hinge means having an axis at right angles to the flat surface of the bevel portion. An attachment member is provided in the supporting member which can be engaged by one of the diverging faces placed in front thereof and rigidly attached thereto.

SIGN PROJECTING FROM VERTICAL WALLS OR HORIZONTAL BEAMS

This invention relates to a sign, such as a means of indication and/or illumination, which can be mounted to project from vertical walls and horizontal beams. It is known that signs such as lamps, 5 illuminated signs, and indicator panels need to be mounted in a projecting manner, projecting from a vertical wall, or hanging from a horizontal beam or ceiling.

Signs of various conformations appropriate for one or other type of mounting may be provided for this purpose, but for reasons of 10 manufacturing standardisation and to provide greater versatility in use it is desirable that a given sign should be capable of being mounted either on a ceiling or on a wall, while nevertheless retaining its correct orientation, which is essential if the sign bears writing or drawings.

15 With a view to providing signs which can be mounted in both the abovementioned positions, while retaining their correct orientation, there is provided a sign as set out in Claim 1.

In one embodiment the sign has a body with two faces diverging at right angles between which there lies a bevel portion with an 20 oblique surface forming a dihedral 45° with both faces, corresponding to which the supporting member has a lateral portion provided with an oblique surface parallel and facing thereto, rotational means of attachment being present between the surfaces facing the bevel portion of the sign and the lateral portion of the 25 supporting member perpendicular to the surfaces thereof.

The rotatable means of attachment for the sign to the supporting member are preferably free to rotate through at least 180°. The rotatable means of attachment of the sign to the supporting member can be axially hollow, to allow the passage of electrical conductors and the like.

The attachment member borne by the supporting member which can be engaged by one of the diverging faces of the sign facing the front thereof preferably comprises screwed means.

In a particularly advantageous embodiment the rotatable means of attachment of the sign to the supporting member consist of an elastic collet projecting from the oblique surface of the lateral portion of the supporting member which can be inserted to lock within a corresponding hole in the bevel portion lying between the divergent faces of the sign.

Advantageously means comprising a pin and recess or rebate surrounding the attachment collet of the member supporting the sign are also present to limit the relative rotation between the member and sign to 180°.

An example of the invention will now be described with reference to the accompanying drawings in which:-

Figure 1 shows a sign mounted on a vertical wall,

Figure 2 shows the sign of Figure 1 suspended from a ceiling,

Figure 3 shows a magnified detail of the hinge attaching the sign to the supporting member,

Figure 4 shows a front view of the device, in partial cross-section,

Figure 5 shows an exploded view of the main components of the device.

As Figures 1, 2, 5 illustrate, a sign has a body 1 in the form of a lamp, attached by means of a supporting member 2 to a wall 3 or a ceiling 4.

As will better be seen from Figures 4 and 5, sign body 1 substantially comprises a rectangular frame 5 to which are applied two lateral enclosing plates 6 of translucent material bearing the required writing or image, forming a box member, assembled with a base closure 6a. Within this are located, if desired, lamps 7 and the corresponding supply conductors, which are not illustrated.

Frame 5 has two faces 5a, 5b forming an angle of 90° between them and between these lies a portion 8 which is bevelled at 45° with respect to the surfaces of the two faces 5a, 5b diverging at right angles.

On this bevelled portion 8 there is a seat 9, perpendicular to the surface, capable of receiving a pin 10, about the axis a of which the sign body can rotate, integral with supporting member 2 and projecting from a lateral portion 11 thereof, with an axis forming an angle of 45° with the mating surface of the supporting member with wall 3 or ceiling 4.

As shown in Figure 3, pin 10 conveniently comprises four elastic plates 12 projecting from portion 11 of the supporting member which insert and lock into seat 9 in the sign body.

A groove 13 extending through an arc of 180° centered on axis a is also present on the surface of bevel portion 8 and into this is inserted a pin 14 which projects from portion 11 on the supporting member, thus limiting the rotation of the sign body around pin 10 to 180° . Pin 14 may be held by a rebate for the above purpose.

In a position hidden by portion 11 supporting member 2 is provided with a seat for a screw 15 which engages corresponding threaded holes 16 in faces 5a or 5b so that sign body 1 can be rigidly attached to the supporting member itself, preventing relative rotation about pin 10. Supporting member 2 is attached to the structure supporting it, usually of masonry, by known means, such as plugs, hooks, screws, which are not shown, and may also be attached by means of a bracket, secured to the masonry, onto which member 2 can be clipped in a manner which is likewise known.

10 Within member 2 are also provided means for supplying lamps 7, if present, such as terminal box 17, rechargeable batteries 18, electrical circuit 19.

In order to provide a supply to lamps 7 pin 10 is of the hollow type, offering a passage for communication between member 2 and 15 sign 1 through which the corresponding electrical cables are passed.

With the structure so far described member 2 may then be rotated with respect to sign 6, as shown in Figures 1 and 2, about the axis a of pin 10, and can thereby be placed either alongside or above 20 the latter thus permitting mounting on a wall or mounting on a ceiling. In the preselected position the supporting member and the sign body are therefore secured by a screw 15 engaging one of holes 16 in the sign body, forming a rigid block.

Pin 10 may have shapes other than that illustrated, provided the 25 desired inclination to axis a around which relative rotation between the body and sign takes place is maintained, for example the shape of a threaded bush or tang. This pin may be blind if the sign is dark, but if the sign is illuminated the pin should be hollow, as stated above, to allow the supply cables to the internal 30 lamps to pass.

The sign may consist of a true sign, that is bearing a drawing and descriptive writing, as shown by way of example in the appended figures, or an advertising sign, or an illumination device. In any event no special shape is required for the form of sign provided 5 that there are two diverging faces joined by a portion having a flat surface lying at right angles to the bisector of the dihedral formed by the surfaces of the diverging faces and a rotation pin is inserted on the said bevel portion to attach the sign body to the supporting member, the lateral portion 11 of which should have a 10 corresponding inclination.

CLAIMS:

1. A sign assembly comprising:

a support member rotatable about a pivot axis between a first position and a second position thereof and provided with a first and second side formed with respective surfaces inclined to one another;

a prismatic sign body operatively connected with the supporting member, the sign body being formed with:

a front side and a top side formed with respective outer faces lying in respective first and second planes intersecting one another and forming a dihedral angle having a bisector, and

a bevel side bridging the first and second sides and formed with a flat outer surface lying at a right angle to the bisector, the outer flat surface of the bevel side being complementary with the surface of the first side of the support member in the first and second positions thereof;

hinge means for rotatably connecting the support member and the sign body mounted on the first side of the support member and including a pivot member extending along the pivot axis perpendicular to the surfaces of the first side of the support member and of the bevel side of the sign body, the surface of the second side of the support member being complementary with the outer surface of the front side in the first position and with the outer surface of the top side in the second position of the support member; and

fastening means for rigidly connecting the support member and the sign body in the first and second positions of the support member upon rotating thereof about the pivot axis.

2. The sign assembly defined in claim 1 wherein the bevel side and the first side of the support member are formed with respective holes coaxial with one another and receiving the pivot member, said sign body being formed with an

- 7 -

interior, said pivot member being an elastic collet formed with a passage opening into the interior of the sign body.

3. The sign assembly defined in claim 1 wherein the hinge means further includes securing means for limiting relative rotation between the member and sign body to a predetermined angle between the first and second position equal at most to 180°.

4. The sign assembly defined in claim 1 wherein the top and front sides of the main body lie in mutually perpendicular planes.

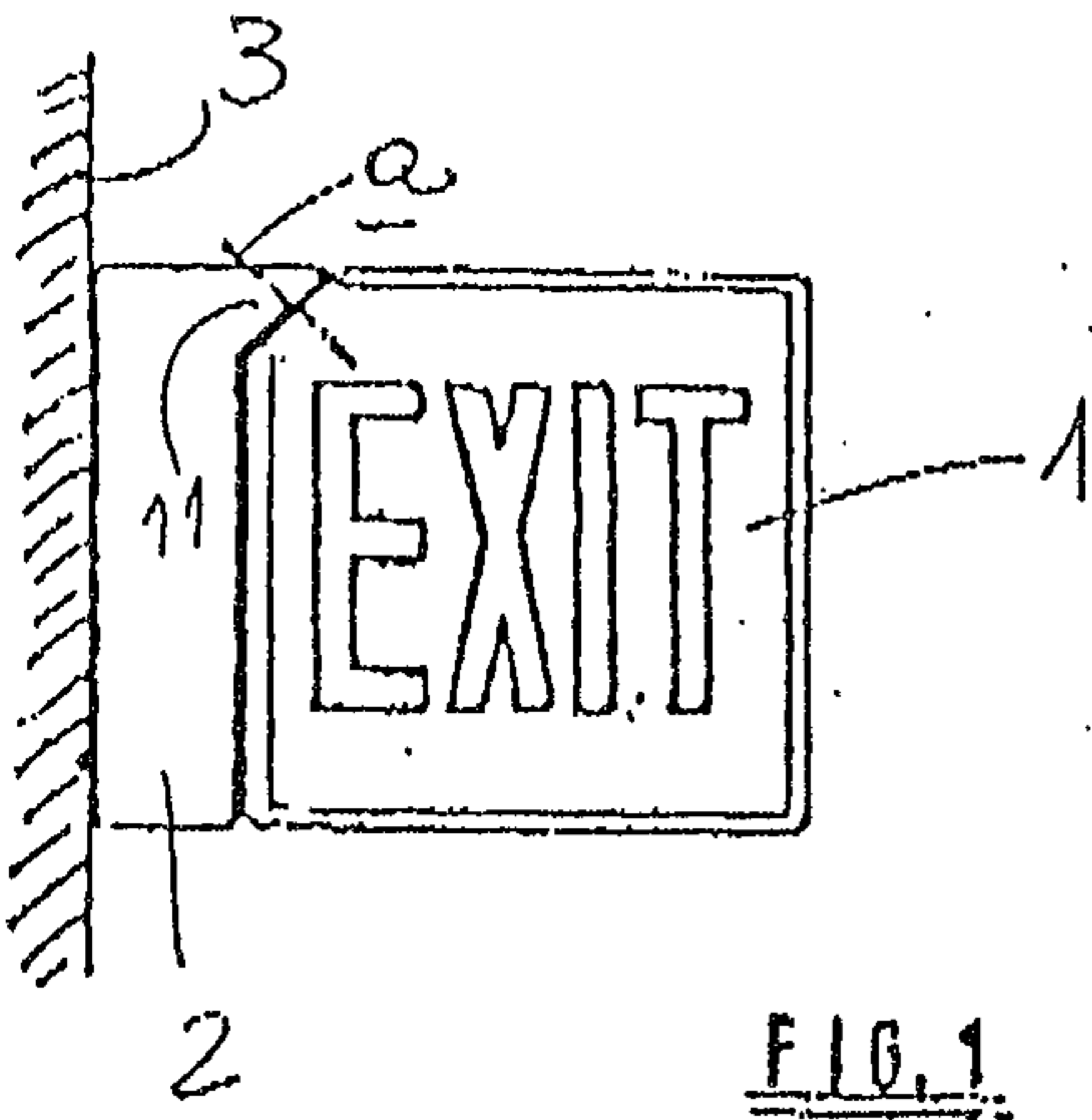


FIG. 1

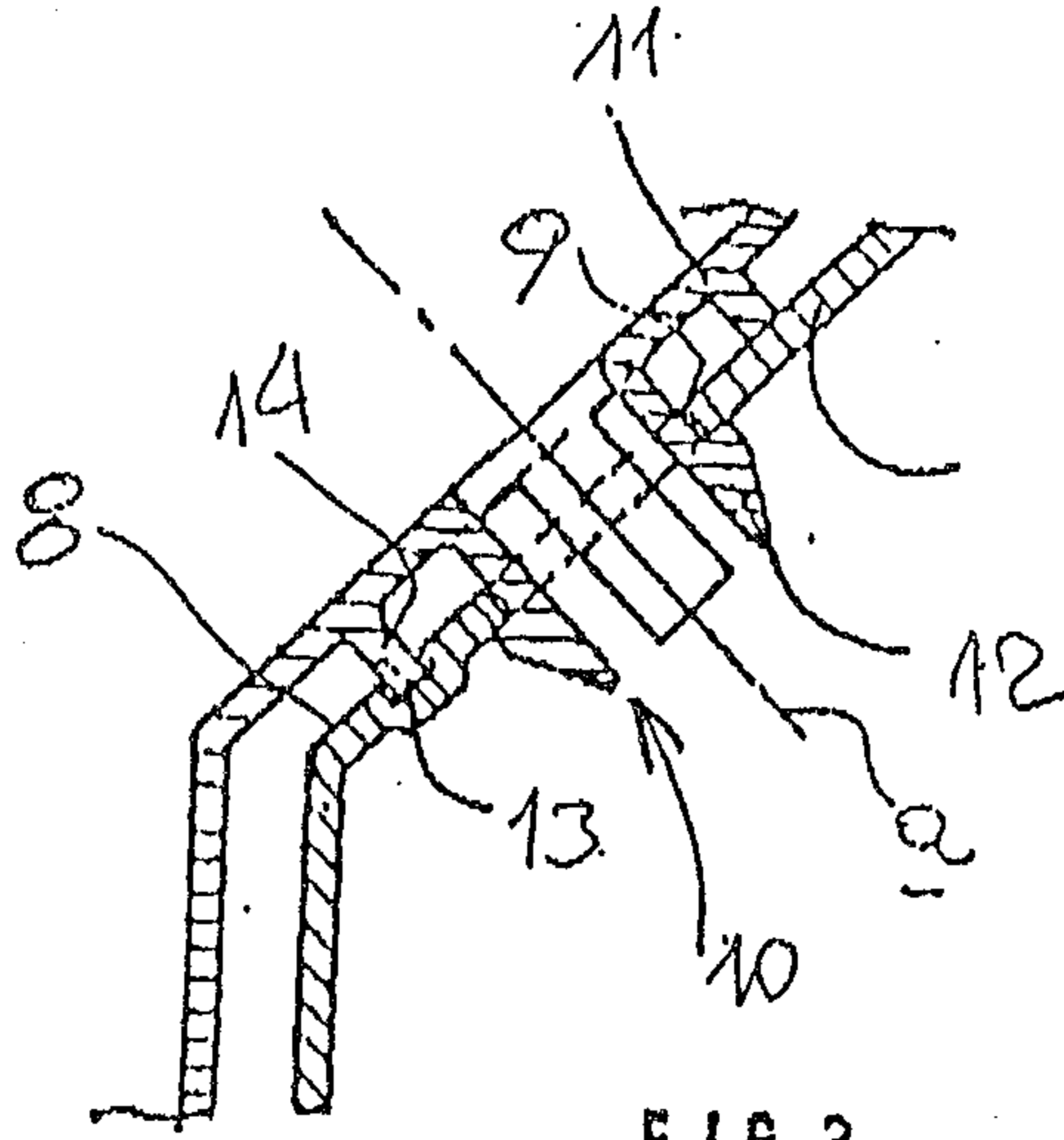


FIG. 3

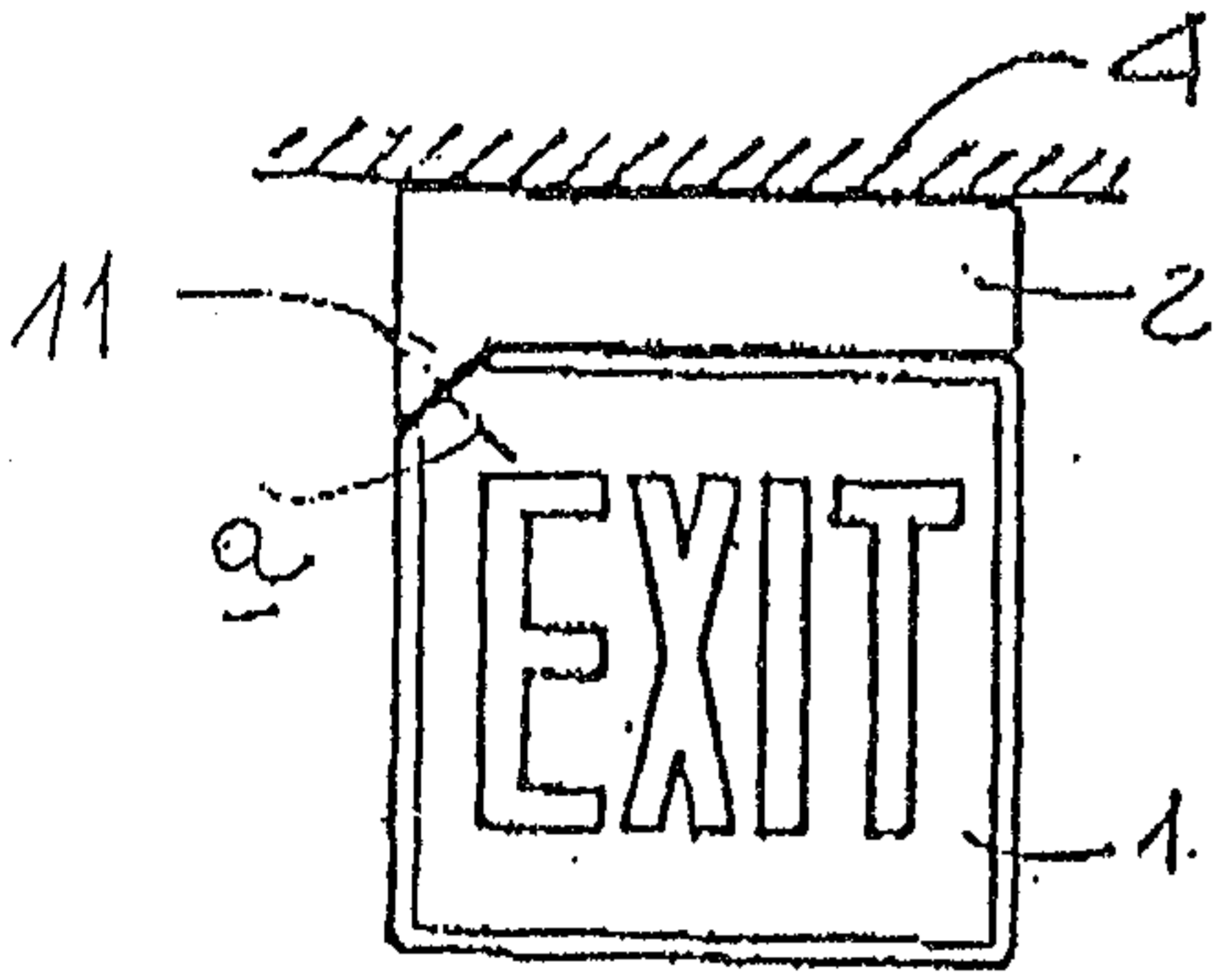


FIG. 2

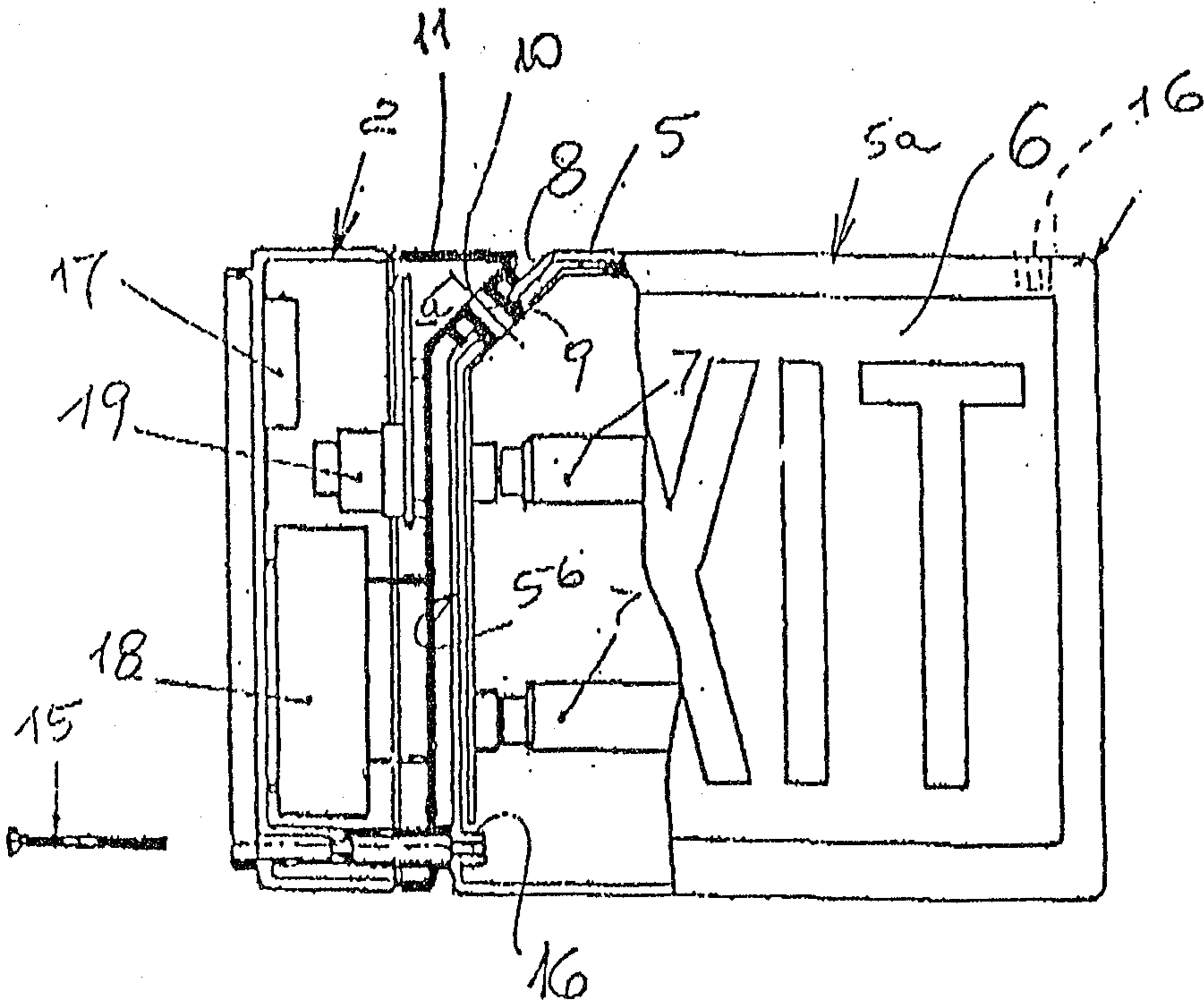


FIG. 4

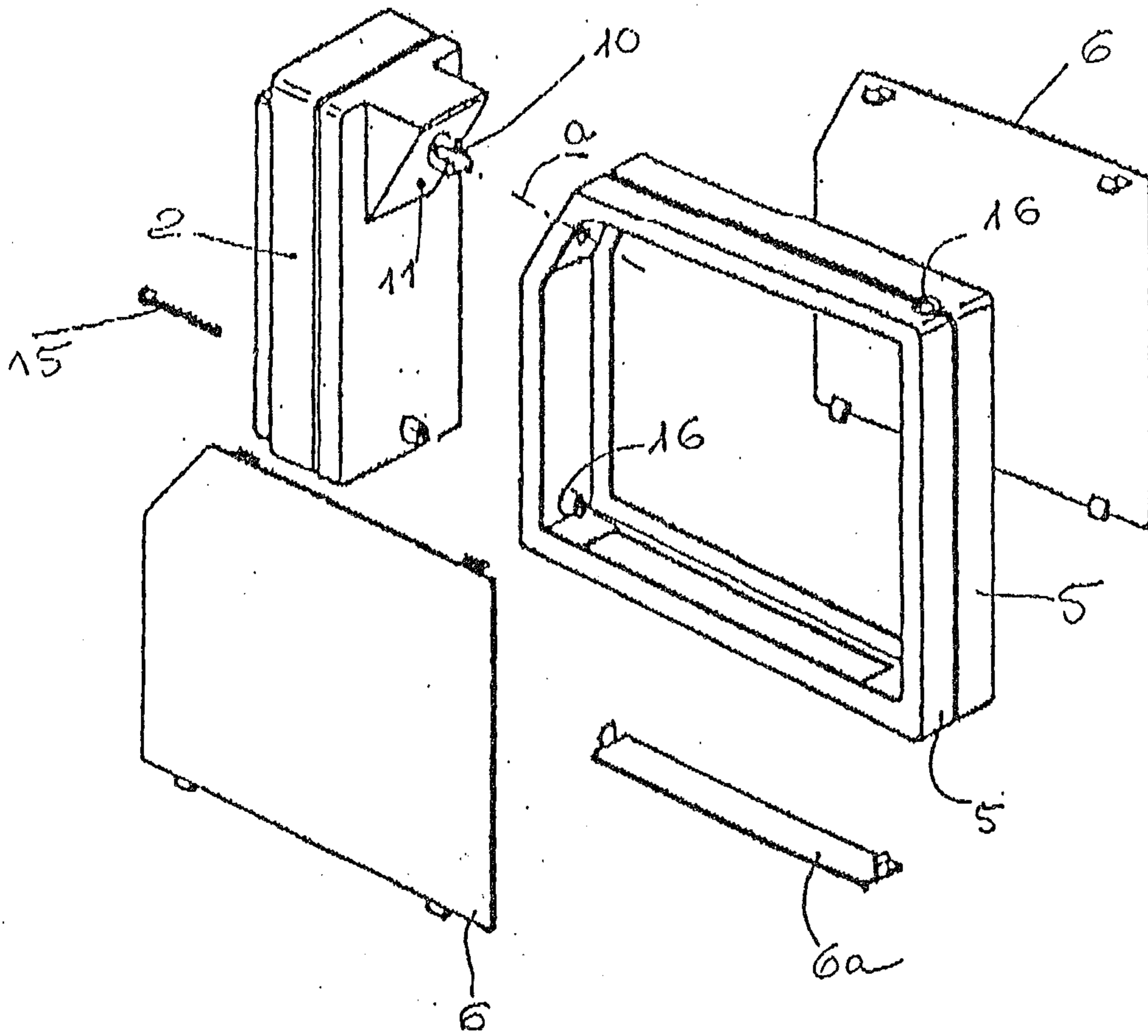


FIG. 5

