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(54) **BUILDING ASSEMBLY**

GEBÄUDEANORDNUNG

ENSEMBLE DE CONSTRUCTION

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Description

BACKGROUND OF THE INVENTION

1. FIELD OF THE INVENTION

[0001] The present invention relates to a building assembly, particularly to sealed building assembly for use in the construction of chambers, such as germ-free chambers or chambers in which a slight negative or positive pressure is generally present.

2. DESCRIPTION OF RELATED ART

[0002] It is known for construction panels to be assembled by a variety of methods and assemblies. U.S. Publication No. 2015/0376899 illustrates one such method and assembly. However, a need exists for an improved assembling system for constructing chambers suitable for medical use, such as germ-free chambers and chambers having slightly negative pressure therein.

[0003] As conventional structures of building assemblies, document WO 2012/172539 A1 discloses a panel connector including two pairs of wings for holding construction panels (e.g., the panels for building a roof) therebetween. Some of wings further individually incorporate a flexible end made from thermoplastic elastomer to hold the upper surface of the panel, so as to seal the roof against environment factors.

[0004] Furthermore, for additional technical background, reference herein is made to document SG 1020 1808 742 A and document US 5 228 254 A, wherein publication SG 1020 1808 742 A illustrates a system and method for a cleanroom partition of wall panel, which particularly utilizes self-locking vertical capping elements and posts with snap-fit mechanism for holding and positioning wall panels without the presence of any fastening means, wherein the system comprises a plurality of wall panels spaced apart juxtaposed at opposite sides to each other; a top track being affixed to a top of a ceiling; a bottom track being affixed to a flooring layer as an end post for positioning the wall panels; at least one vertical post being affixed to the top and bottom tracks to engage with the wall panels; and at least one vertical capping element being configured to cap the at least one vertical post for holding at least two of the wall panels therebetween.

[0005] U.S. publication US 5 228 254 A is directed to a wall construction, which comprises wall panels having a pair of upwardly extending top flanges and a pair of downwardly extending bottom flanges; a longitudinally extending head track having a pair of opening recesses, which are divided by an inner wall carrying resiliently flexible gaskets directed laterally into each of the recesses; and a longitudinally extending floor track disposed substantially below and spaced-apart from the head track. The top flanges of the wall panel are inserted within the recesses straddling the gaskets and forming a seal there-

with, while the bottom flanges of the wall panel rest atop ledges on the floor track spaced above the floor, and wherein the gaskets are advantageously formed as dual durometer extrusions.

[0006] The present disclosure aims to provide a building assembly that may be easily and economically manufactured, and also easy to assemble, disassemble, or reassemble, further, the connected walls are air-sealed therebetween.

SUMMARY

[0007] The object of the present disclosure is to provide a building assembly for use in the construction of chambers, e.g., germ-free chambers or chambers in which a slight negative or positive pressure is generally present. The chambers can be easily assembled, disassembled and/or reassembled in case of an emergency.

[0008] Accordingly, the first aspect of the present disclosure is directed to a building assembly as defined in claim 1, which includes:

a supporting member comprising a base having a front and rear sides, a channel disposed on the front side of the base at the center thereof, and a pair of rails independently extending parallel and adjacent to the channel at its left and right sides;

a pair of a first sealing members independently comprising a first base portion having a front and rear sides, and two retention tongues independently extending outwardly from the rear side of the first base portion along the entire longitudinal length thereof; an elastically deformable gasket having a U- or V-shaped space in cross section and two flanges independently extending laterally from one edge of the U- or V-shaped space; and

a second sealing member comprising a second base portion having a front and rear sides, and a rib disposed on the rear side of the second base portion at the center along the longitudinal length thereof;

wherein,

the pair of the first sealing members are configured to engage with the supporting member via press-fitting the two retention tongues of each of the first sealing member into each of the rails of the supporting member, thereby creating a pair of pockets (115) independently for receiving each a construction panel therein;

the elastically deformable gasket is configured to be snap-fitted into the channel of the supporting member to help holding the two construction panels in the pair of pockets (115); and

the second sealing member is configured to engage with the elastically deformable gasket via press-fitting the rib into the U- or V-shaped space of the elastically deformable gasket so as to hold the elastically

deformable gasket (130) in place while creating a tight-seal therebetween.

[0009] According to preferred embodiments of the present disclosure, the second sealing member further includes first and second extensions respectively extending upwardly away from the rear side of the second base portion along the entire longitudinal length thereof.

[0010] According to alternative embodiments of the present disclosure, the supporting member further comprises a rectangular conduit formed on the rear side of the base.

[0011] According to preferred embodiments of the present disclosure, the first sealing member, the elastically deformable gasket and the second sealing member are independently made of a resilient material selected from the group consisting of polypropylene (PP), neoprene, thermoplastic elastomer (TPE), and a combination thereof.

[0012] Examples of the TPE suitable for use in the present disclosure include, but are not limited to, thermoplastic styrene (TPS), thermoplastic vulcanizate (TPV), thermoplastic polyurethane (TPU), thermoplastic polyether ester (TPEE), thermoplastic polyamide (TPA), and the like. Preferably, the first sealing member and the second sealing member are respectively made of TPV, while the elastically deformable gasket is made of PP.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] The disclosure will become more fully understood from the detailed description and the drawings given herein below for illustration only, and thus does not limit the disclosure, wherein:

FIG 1 is an exploded view of a building assembly 100 in accordance with one preferred embodiment of the present disclosure;

FIG 2 is a perspective view of the building assembly 100 of FIG 1 after assembling;

FIG 3 is a sectional view of an assembly including two wall panels 380 assembled with the aid of the building assembly of FIG 1; and

FIG 4 is a perspective view of a building assembly 400 for assembling wall panels in the presence of a construction beam 450 in according to an alternative embodiment of the present disclosure.

DETAILED DESCRIPTION

[0014] Detailed descriptions and technical contents of the present disclosure are illustrated below in conjunction with the accompanying drawings. However, it is to be understood that the descriptions and the accompanying drawings disclosed herein are merely illustrative and exemplary and not intended to limit the scope of the present disclosure.

1. The present building assembly

[0015] Referring more particularly to FIGs 1 to 3, in which FIG 1 is an exploded view of the present building assembly 100; FIG 2 is a perspective view of the building assembly 100 of FIG 1 after assembling; FIG 3 is a sectional view of an assembly including two wall panels 380 assembled with the aid of the building assembly of FIG 1.

[0016] The building assembly 100 in this embodiment comprises a supporting member 110, a pair of a first sealing members 120, an elastically deformable gasket 130, and a second sealing member 140. The supporting member 110 includes in its structure, a base 111 having a front side 1111 and a rear side 1112; a channel 112 formed at the center of the front side 1111 and extends longitudinally along the entire length of the base 111; and two rails 114 respectively running parallel adjacent to the channel 112 at its left and right sides and extends longitudinally along the entire length of the base 111.

[0017] A pair of a first sealing members 120 are provided for engaging the two rails 114, respectively. Each sealing member 120 comprises a base portion 121 having a front and rear sides 1211, 1212; and two mirror-image retention tongues 122a, 122b independently extending outwardly from the rear side 1212 of the base portion 121 along the entire longitudinal length thereof. During assembly, each sealing member 120 is press-fitted or snap-fitted into one of the two rails 120 of the supporting member 110 to provide a sealed surface, and also creates a pocket 115 for subsequently holding a construction panel (not depicted in FIGs 1 and 2) and the like therein. Specifically, the pocket 115 refers to the space collectively defined by one of the rails 114 and one of the channel walls. Accordingly, two construction panels 380 (e.g., wall panels or ceiling panels) may be respectively placed into the two pockets 115 and held against the two rails 114 and the channel 112 (FIG 3).

[0018] To help holding the two construction panels 380 in the two pockets 115, an elastically deformable gasket 130 may be subsequently press-fitted or snap-fitted into the channel 112 of the supporting member 110. The elastically deformable gasket 130 has a U- or V-shaped space 132 in cross section, and two flanges 134 independently extending laterally from one edge of the U- or V-shaped space 132. Once the elastically deformable gasket 130 is press-fitted into the channel 112, the two flanges 134 will be pressed against the two construction panels 380 respectively held in the two pockets 115 (FIG 3). Finally, to complete the assembling, a second sealing member 140 is press-fitted or snap-fitted into the U- or V-shaped space 132, so as to hold the elastically deformable gasket 130 in place while creating a tight-seal therebetween. Structurally, the second sealing member 140 comprises a second base portion 141, a rib 142, and two extensions 143. The second base portion 141 has a front side 1411 and a rear side 1412. The rib 142 is formed on the rear side 1412 of the second base portion 141 at its center and extends along the entire longitudinal length thereof.

Additionally or alternatively, the rib **142** may be hollow inside. In this embodiment, the rib **142** is hollow and rectangular in cross section and is sized to fit into the U- or V-shaped space **132** of the elastically deformable gasket **130**. Two extensions **143** independently extend perpendicularly away from the rear side **1412** of the second base portion **141**, and are configured to further hold the elastically deformable gasket **130** in place via clinging on to the respective edges of the two flanges **134**.

[0019] Note that in the present disclosure, the first sealing members **120**, the elastically deformable gasket **130**, as well as the second sealing member **140** may be independently made of a resilient or elastic material, such as polypropylene (PP), neoprene, thermoplastic elastomer (TPE), and the like. Examples of TPE material suitable for use in the present disclosure include, but are not limited to, thermoplastic styrene (TPS), thermoplastic vulcanizate (TPV), thermoplastic polyurethane (TPU), thermoplastic polyether ester (TPEE), thermoplastic polyamide (TPA) and the like. According to preferred embodiment, the first sealing members **120** and the second sealing member **140** are respectively made of TPV, while the elastically deformable gasket **130** is made of PP.

2. Alternative design of the present building assembly for use in the presence of a construction beam

[0020] Reference is now made to FIG **4**, which is an alternative design of the present building assembly **400** suitable for use in the case when a construction beam is present. The components of the building assembly **400** in this embodiment are in general same as those in the building assembly **100** depicted in FIG **1**, except the supporting member **410** in this embodiment is structurally different from that in FIG **1**.

[0021] As most of the components and parts in the building assembly **400** are same as those in the building assembly **100**, thus the same components and parts are denoted by the common numbering elements. For example, the supporting member in FIG **1** is **110**, while in FIG **4** is **410**; the elastically deformable gasket in FIG **1** is **130**, while in FIG **4** is **430** and so on.

[0022] The supporting member **410** in this embodiment differs from that in FIG **1** in that it further includes a structure for receiving a building beam (e.g., a ceiling beam) therein. As depicted in FIG **4**, the supporting member **410** further includes a rectangular conduit **470** formed on the rear side **4112** of the base **411**, in which the rectangular conduit **470** is sized to receive a building beam **450** therein.

[0023] In order to assemble a germ-free chamber or a chamber having a slight negative pressure, the supporting member **410** may be first threadedly secured to the beam **450** by screws **460** or any suitable nut-bolt structure, then the pair of the first sealing members **420** are snap-fitted into the two rails **414** thereby forming two pockets **415** for respectively receiving two wall panels **480** therein. Note that the two pockets **415** are not visible

from FIG **4**, as they are occupied by the two wall panels **480**. Then, the elastically deformable gasket **430**, which has a U-shaped in cross section, is snap-fitted into the channel **412**, followed by snap-fitting the second sealing member **440** into the U-shaped space of the elastically deformable gasket **430**, thereby completing the assembly of two wall panels **480** using the building assembly **400**. Additional wall panels, ceiling panels or any desired panels (e.g., panels that contain profile of sockets, air conduits and etc.) may be added next to the two assembled panels **480** using the building assembly **100** described above.

[0024] Each of the components discussed above in FIGs **1** to **4** may be manufactured by methods such as casting, stamping, injection molding, extrusion molding and the like, as would be apparent to a skilled artisan; preferably, by extrusion molding. Additionally or alternatively, each of the components discussed above in FIGs **1** to **4** may be milled, sanded or likewise manufactured for a smooth or coarse surface finish. Additionally or alternatively, except for the indicated parts (e.g., the retention tongues, the elastically deformable gasket, and the rib) each of the components discussed above in FIGs **1** to **4** may be made of a plastic, ceramic, metal and other equivalent material, as would be apparent to a skilled artisan.

[0025] It will be understood that the above description of embodiments is given by way of example only and that various modifications may be made by those with ordinary skill in the art. The above specification, examples and data provide a complete description of the structure and use of exemplary embodiments of the invention as defined by the appended claims. Although various embodiments of the invention have been described above with a certain degree of particularity, or with reference to one or more individual embodiments, those with ordinary skill in the art could make numerous alterations to the disclosed embodiments without departing from the scope of protection of the present invention as defined by the appended claims.

Claims

1. A building assembly (100) comprising,
 - a supporting member (110) comprising a base (111) having a front and rear sides (1111, 1112),
 - a channel (112) disposed on the front side (1111) of the base (111) at the center thereof,
 - and a pair of rails (114) independently disposed next to the channel (112), in which the channel (112), and the pair of rails (114) independently extends along the entire longitudinal length of the base (111);
 - a pair of a first sealing members (120) independently comprising a first base portion (121) having a front and rear sides (1211, 1212), and two re-

- tention tongues (122a, 122b) independently extending outwardly from the rear side (1212) of the first base portion (121) along the entire longitudinal length thereof; an elastically deformable gasket (130) having a U- or V-shaped space (132) in cross section and two flanges (134) independently extending laterally from one edge of the U- or V-shaped space (132); and a second sealing member (140) comprising a second base portion (141) having a front and rear sides (1411, 1412), and a rib (142) disposed on the rear side (1412) of the second base portion (141) at the center along the longitudinal length thereof;
- wherein,
- the pair of the first sealing members (120) are configured to engage with the supporting member (110) via press-fitting the two retention tongues (122a, 122b) of each first sealing member (120) into each of the pair of rails (114) of the supporting member (110), thereby creating a pair of pockets (115) independently for receiving each a construction panel therein;
- the elastically deformable gasket (130) is configured to be snap-fitted into the channel (112) of the supporting member (110) to help holding the two construction panels in the pair of pockets (115); and
- the second sealing member (140) is configured to engage with the elastically deformable gasket (130) via press-fitting the rib (142) into the U- or V-shaped space (132) of the elastically deformable gasket (130) so as to hold the elastically deformable gasket (130) in place while creating a tight-seal therebetween.
2. The building assembly of claim 1, wherein the second sealing member (140) further comprises a first and second extensions (143) respectively extending upwardly away from the rear side (1412) of the second base portion (141) along the entire longitudinal length thereof.
 3. The building assembly of claim 1, wherein the first sealing member (120), the elastically deformable gasket (130) and the second sealing member (140) are independently made of a resilient material selected from the group consisting of polypropylene (PP), neoprene, thermoplastic elastomer (TPE), and a combination thereof.
 4. The building assembly of claim 3, wherein the TPE is selected from the group consisting of thermoplastic styrene (TPS), thermoplastic vulcanizate (TPV), thermoplastic polyurethane (TPU), thermoplastic polyether ester (TPEE), and thermoplastic polyamide (TPA).
 5. The building assembly of claim 4, wherein the first sealing member (120) and the second sealing member (140) are respectively made of TPV, while the elastically deformable gasket is made of PP.
 6. The building assembly of claim 1, wherein the supporting member (110) further comprises a rectangular conduit (470) formed on the rear side of the base.
 7. The building assembly of claim 6, wherein the second sealing member (140) further comprises a first and second extensions (143) respectively extending upwardly away from the rear side (1412) of the second base portion (141) along the entire longitudinal length thereof.
 8. The building assembly of claim 6, wherein the first sealing member (120), the elastically deformable gasket (130) and the second sealing member (140) are independently made of a resilient material selected from the group consisting of PP, neoprene, and TPE.
 9. The building assembly of claim 8, wherein the TPE is selected from the group consisting of TPS, TPV, TPU, TPEE, TPA, and a combination thereof.
 10. The building assembly of claim 9, wherein the first sealing member and the second sealing member are respectively made of TPV, while the elastically deformable gasket is made of PP.

Patentansprüche

1. Baueinheit (100), umfassend,

ein Stützelement (110), umfassend eine Basis (111) mit einer vorderen und einer hinteren Seite (1111, 1112), einen Kanal (112), der an der vorderen Seite (1111) der Basis (111) in deren Mitte angeordnet ist, und ein Paar Schienen (114), die unabhängig voneinander neben dem Kanal (112) angeordnet sind, wobei der Kanal (112) und das Paar Schienen (114) sich unabhängig voneinander über die gesamte longitudinale Länge der Basis (111) erstrecken;

ein Paar von ersten Dichtungselementen (120), die unabhängig voneinander einen ersten Basisabschnitt (121) mit einer vorderen und einer hinteren Seite (1211, 1212) und zwei Haltezungen (122a, 122b) umfassen, die sich unabhängig voneinander von der hinteren Seite (1212) des ersten Basisabschnitts (121) entlang dessen gesamter longitudinalen Länge nach außen erstrecken; eine elastisch verformbare Dichtung (130) mit einem U- oder V-förmigen Raum (132) im Querschnitt und zwei Flanschen (134), die

sich unabhängig voneinander seitlich von einem Rand des U- oder V-förmigen Raums (132) erstrecken; und

ein zweites Dichtungselement (140), das einen zweiten Basisabschnitt (141) mit einer vorderen und einer hinteren Seite (1411, 1412) und eine Rippe (142) umfasst, die an der hinteren Seite (1412) des zweiten Basisabschnitts (141) in der Mitte entlang seiner longitudinalen Länge angeordnet ist;

wobei,

das Paar der ersten Dichtungselemente (120) so konfiguriert ist, dass es mit dem Stützelement (110) in Eingriff kommt, indem die zwei Halteungen (122a, 122b) jedes ersten Dichtungselements (120) in jedes der Schienenpaare (114) des Stützelements (110) durch Presssitz eingepasst werden, wodurch unabhängig ein Paar von Taschen (115) geschaffen wird, die jeweils eine Bauplatte darin aufnehmen;

die elastisch verformbare Dichtung (130) so konfiguriert ist, dass sie in den Kanal (112) des Stützelements (110) einschnappt, um das Halter der zwei Bauplatten in dem Paar von Taschen (115) zu unterstützen; und wobei das zweite Dichtungselement (140) so konfiguriert ist, dass es mit der elastisch verformbaren Dichtung (130) durch Einpressen der Rippe (142) in den U- oder V-förmigen Raum (132) der elastisch verformbaren Dichtung (130) in Eingriff kommt, um die elastisch verformbare Dichtung (130) an ihrem Platz zu halten, während eine feste Abdichtung dazwischen erzeugt wird.

2. Baueinheit nach Anspruch 1, wobei das zweite Dichtungselement (140) ferner eine erste und eine zweite Verlängerung (143) aufweist, die sich jeweils von der hinteren Seite (1412) des zweiten Basisabschnitts (141) entlang dessen gesamter longitudinalen Länge nach oben erstrecken.

3. Baueinheit nach Anspruch 1, wobei das erste Dichtungselement (120), die elastisch verformbare Dichtung (130) und das zweite Dichtungselement (140) unabhängig voneinander aus einem elastischen Material gebildet sind, das aus der Gruppe ausgewählt ist, die aus Polypropylen (PP), Neopren, thermoplastischem Elastomer (TPE) und einer Kombination davon besteht.

4. Baueinheit nach Anspruch 3, wobei das TPE aus der Gruppe ausgewählt ist, die aus thermoplastischem Styrol (TPS), thermoplastischem Vulkanisat (TPV), thermoplastischem Polyurethan (TPU), thermoplastischem Polyetherester (TPEE) und thermoplastischem Polyamid (TPA) besteht.

5. Baueinheit nach Anspruch 4, wobei das erste Dichtungselement (120) und das zweite Dichtungselement (140) entsprechend aus TPV hergestellt sind, während die elastisch verformbare Dichtung aus PP hergestellt ist.

tungselement (120) und das zweite Dichtungselement (140) entsprechend aus TPV hergestellt sind, während die elastisch verformbare Dichtung aus PP hergestellt ist.

6. Baueinheit nach Anspruch 1, wobei das Stützelement (110) ferner eine rechteckige Leitung (470) umfasst, die an der hinteren Seite der Basis ausgebildet ist.

7. Baueinheit nach Anspruch 6, wobei das zweite Dichtungselement (140) ferner eine erste und eine zweite Verlängerung (143) aufweist, die sich entsprechend von der hinteren Seite (1412) des zweiten Basisabschnitts (141) entlang dessen gesamter longitudinalen Länge nach oben erstrecken.

8. Baueinheit nach Anspruch 6, wobei das erste Dichtungselement (120), die elastisch verformbare Dichtung (130) und das zweite Dichtungselement (140) unabhängig voneinander aus einem elastischen Material hergestellt sind, das aus der aus PP, Neopren und TPE bestehenden Gruppe ausgewählt ist.

9. Baueinheit nach Anspruch 8, wobei das TPE aus der Gruppe ausgewählt ist, die aus TPS, TPV, TPU, TPEE, TPA und einer Kombination davon besteht.

10. Baueinheit nach Anspruch 9, wobei das erste Dichtungselement und das zweite Dichtungselement jeweils aus TPV hergestellt sind, während die elastisch verformbare Dichtung aus PP hergestellt ist.

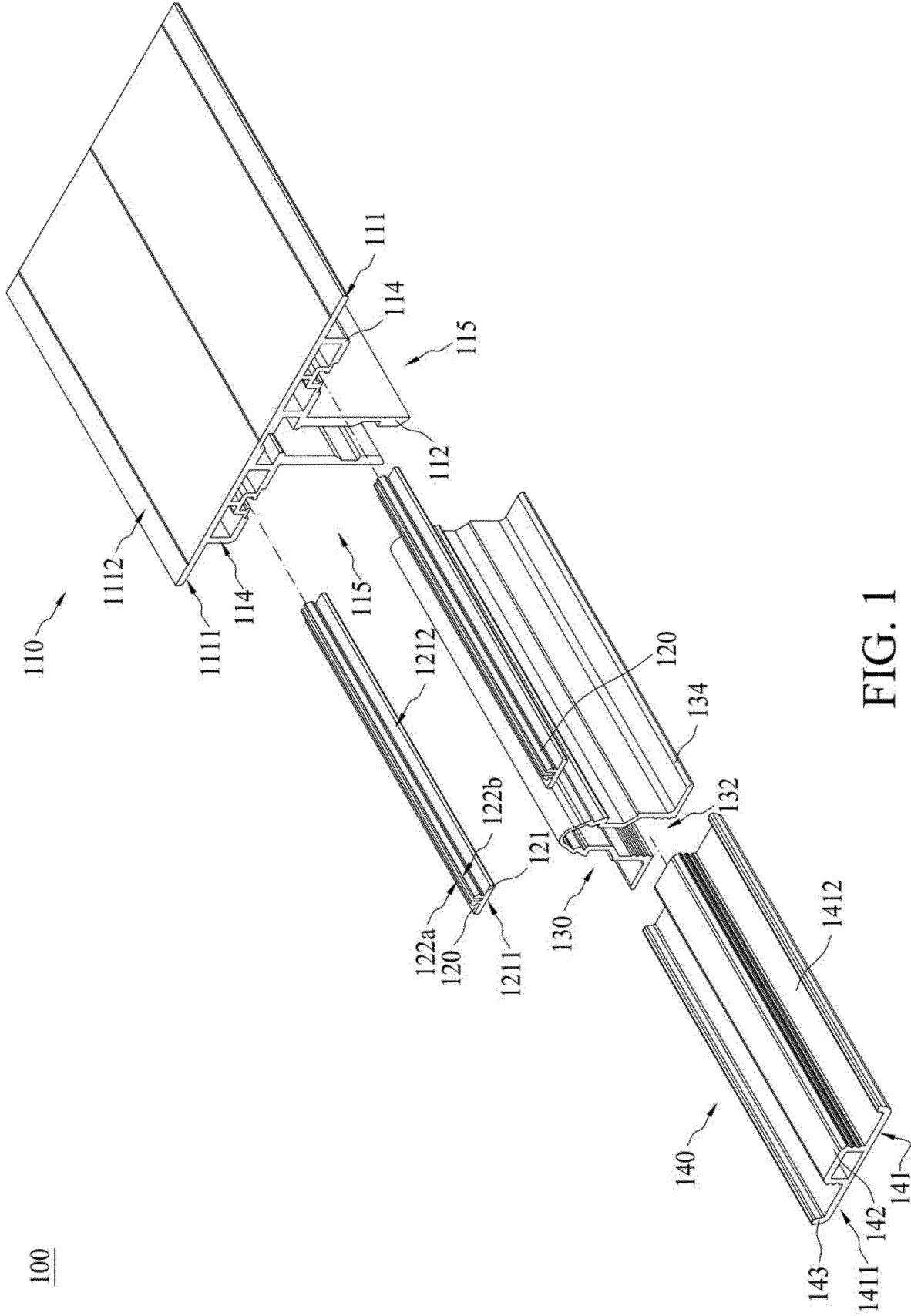
Revendications

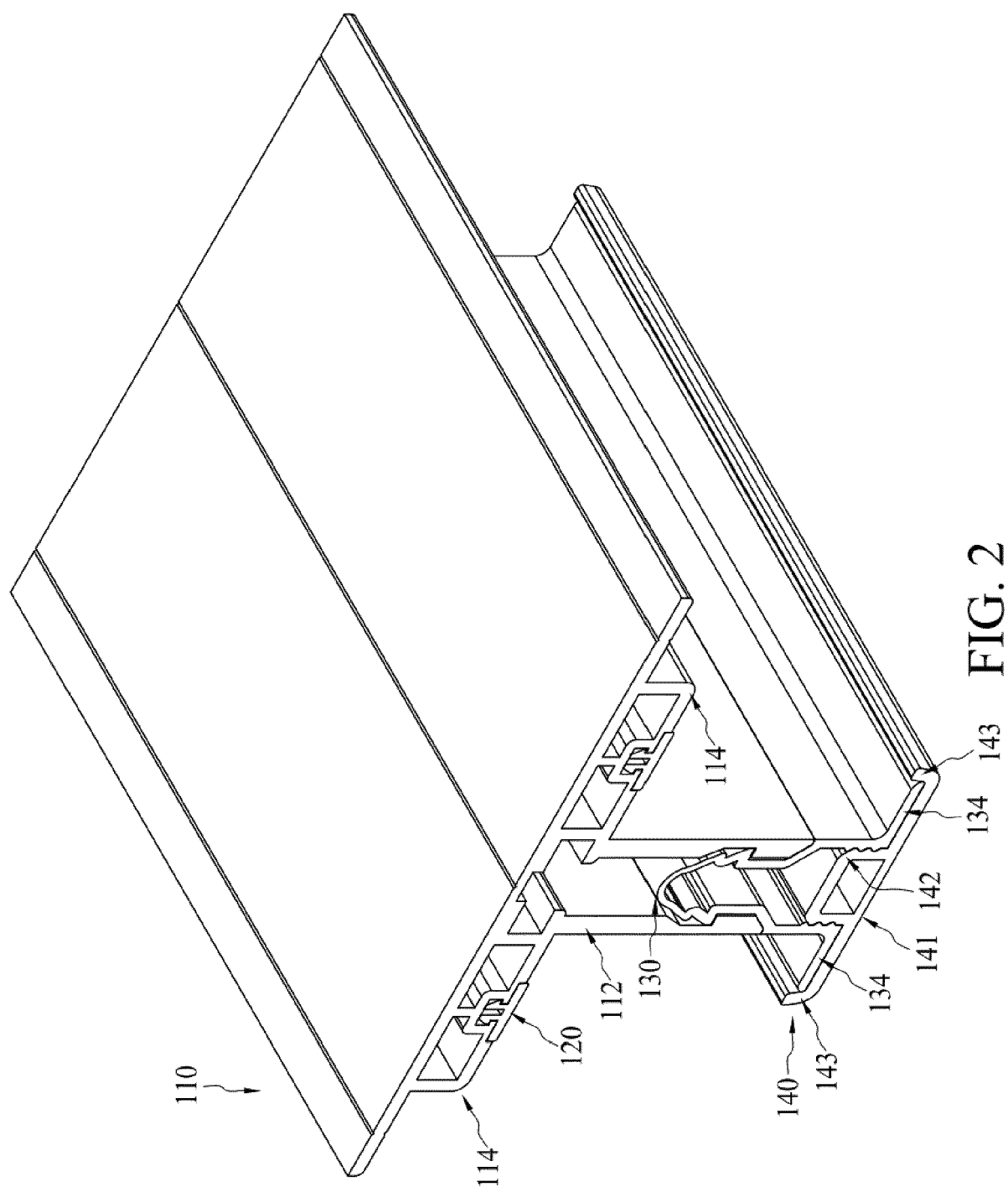
1. Ensemble de construction (100) comprenant,

un élément de support (110) comprenant une base (111) comportant des côtés avant et arrière (1111, 1112), un canal (112) disposé sur le côté avant (1111) de la base (111) au centre de celle-ci, et une paire de rails (114) disposés indépendamment à côté du canal (112), dans lequel le canal (112) et la paire de rails (114) s'étendent indépendamment sur toute la longueur longitudinale de la base (111) ;

une paire de premiers éléments de scellement (120) comprenant indépendamment une première partie de base (121) comportant des côtés avant et arrière (1211, 1212), et une langue de retenue (122a, 122b) s'étendant indépendamment vers l'extérieur depuis le côté arrière (1212) de la première partie de base (121) sur toute la longueur longitudinale de celle-ci ; un joint élastiquement déformable (130) comportant un espace en forme de U ou de V (132) en coupe transversale et deux brides (134) s'étendant

- dant indépendamment latéralement depuis un bord de l'espace en forme de U ou de V (132) ; et un second élément de scellement (140) comprenant une seconde partie de base (141) comportant des côtés avant et arrière (1411, 1412) et une nervure (142) disposée sur le côté arrière (1412) de la deuxième partie de base (141) au centre sur la longueur longitudinale de celle-ci ; dans lequel,
- la paire de premiers éléments de scellement (120) sont configurés pour se mettre en prise avec l'élément de support (110) par ajustement serré des deux langues de retenue (122a, 122b) de chaque élément de scellement (120) dans chacun de la paire de rails (114) de l'élément de support (110), en créant de ce fait une paire de poches (115) indépendamment pour recevoir chacune un panneau de construction à l'intérieur de celle-ci ;
- le joint élastiquement déformable (130) est configuré pour être encliqueté dans le canal (112) de l'élément de support (110) pour aider à maintenir les deux panneaux de construction dans la paire de poches (115) ; et
- le second élément de scellement (140) est configuré pour se mettre en prise avec le joint élastiquement déformable (130) par ajustement serré de la nervure (142) dans l'espace en forme de U ou de V (132) du joint élastiquement déformable (130) de manière à maintenir le joint élastiquement déformable (130) en place tout en créant une étanchéité parfaite entre eux.
2. Ensemble de construction selon la revendication 1, dans lequel le second élément de scellement (140) comprend en outre des première et seconde extensions (143) s'étendant respectivement vers le haut à l'écart du côté arrière (1412) de la seconde partie de base (141) sur toute la longueur longitudinale de celle-ci.
 3. Ensemble de constructions selon la revendication 1, dans lequel le premier élément de scellement (120), le joint élastiquement déformable (130) et le second élément de scellement (140) sont constitués indépendamment d'un matériau élastique sélectionné dans le groupe se composant de polypropylène (PP), de néoprène, d'élastomère thermoplastique (TPE) et d'une combinaison de ceux-ci.
 4. Ensemble de constructions selon la revendication 3, dans lequel le TPE est sélectionné dans le groupe se composant de styrène thermoplastique (TPS), vulcanisé thermoplastique (TPV), polyuréthane thermoplastique (TPU), polyester-ester thermoplastique (TPEE), et polyamide thermoplastique (TPA).
 5. Ensemble de constructions selon la revendication 4,
 6. Ensemble de constructions selon la revendication 1, dans lequel l'élément de support (110) comprend en outre un conduit rectangulaire (470) formé sur le côté arrière de la base.
 7. Ensemble de construction selon la revendication 6, dans lequel le second élément de scellement (140) comprend en outre des première et seconde extensions (143) s'étendant respectivement vers le haut à l'écart du côté arrière (1412) de la seconde partie de base (141) sur toute la longueur longitudinale de celle-ci.
 8. Ensemble de constructions selon la revendication 6, dans lequel le premier élément de scellement (120), le joint élastiquement déformable (130) et le second élément de scellement (140) sont constitués indépendamment d'un matériau élastique sélectionné dans le groupe se composant de PP, de néoprène et de TPE.
 9. Ensemble de constructions selon la revendication 8, dans lequel le TPE est sélectionné dans le groupe se composant de TPS, TPV, TPU, TPEE, TPA, et d'une combinaison de ceux-ci.
 10. Ensemble de constructions selon la revendication 9, dans lequel le premier élément de scellement et le second élément de scellement sont constitués respectivement de TPV, alors que le joint élastiquement déformable est constitué de PP.





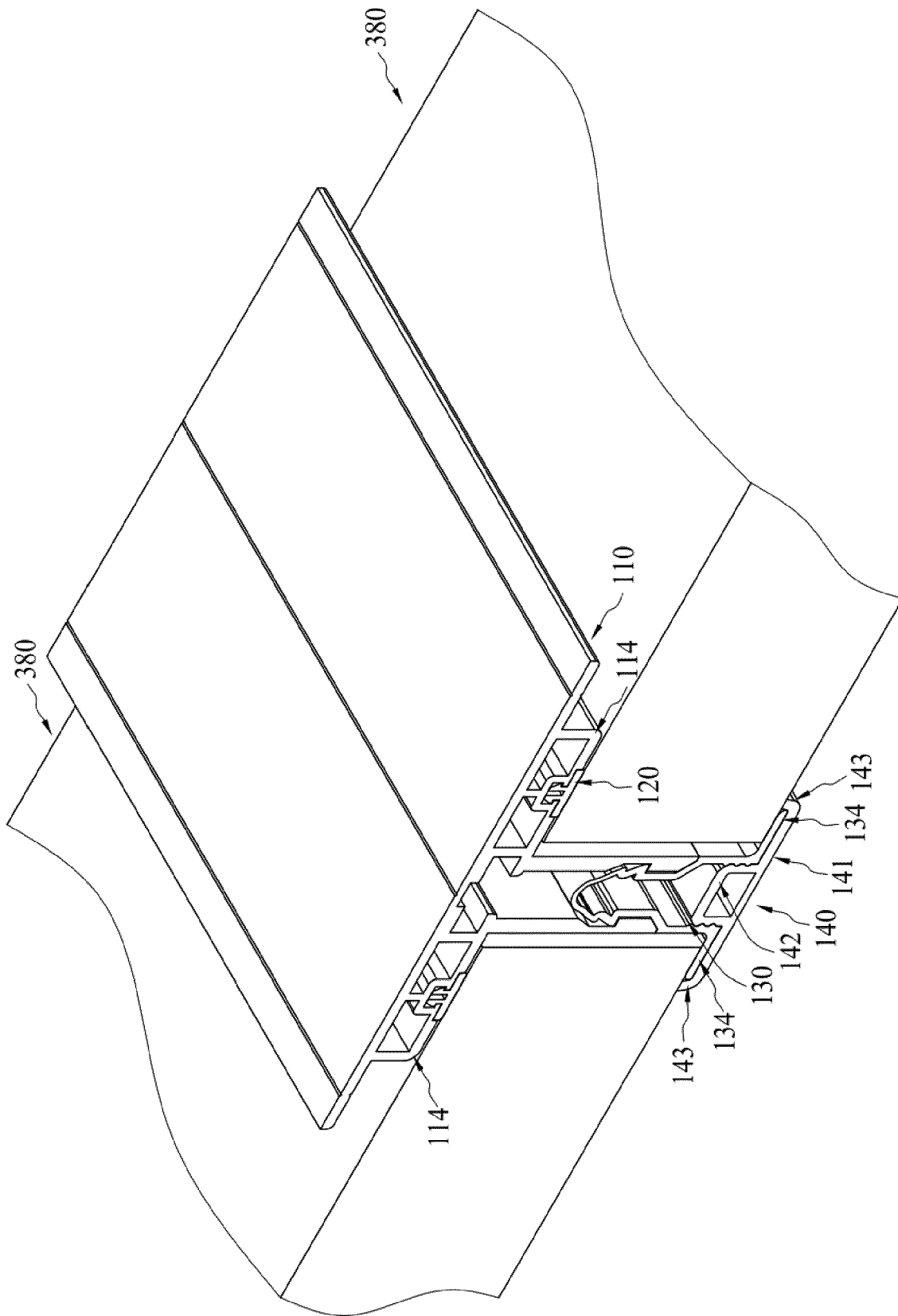


FIG. 3

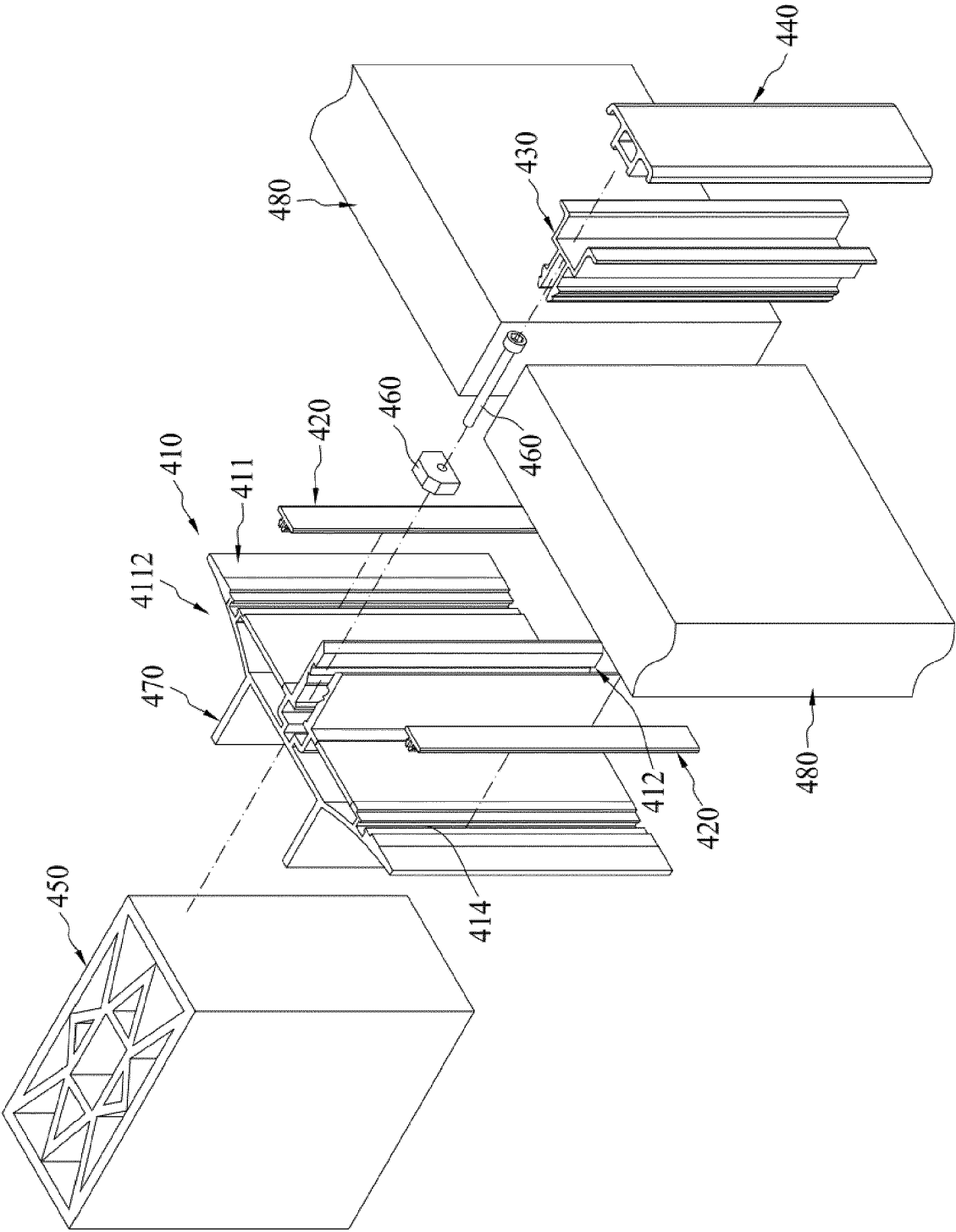


FIG. 4

REFERENCES CITED IN THE DESCRIPTION

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