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(54) **EXHIBITING DEVICE FOR SUPPORTING INFORMATIVE MATERIAL PARTICULARLY FOR
CONTAINERS, URBAN FURNISHING ELEMENTS AND THE LIKE**

AUSSTELLUNGSFLÄCHE ZUR DARSTELLUNG VON INFORMATIONSMATERIALIEN,
INSBESONDERE FÜR CONTAINER, STÄDTISCHE MÖBELELEMENTE UND DERGLEICHEN

DISPOSITIF D'EXPOSITION PERMETTANT DE PORTER UN MATÉRIEL D'INFORMATION EN
PARTICULIER POUR DES CONTENEURS, DES ÉLÉMENTS D'AMÉNAGEMENT URBAIN ET
ANALOGUES

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Description

[0001] The present invention relates to an exhibiting device, hereafter also referred to as an exhibitor, for supporting informative material particularly for containers, urban furnishing elements and the like.

[0002] Many techniques are known which allow the walls of refuse containers to be used to convey information and advertising.

[0003] In fact, according to the Italian Highway Code, refuse containers, if positioned on the road bed, must necessarily have portions with high refraction.

[0004] Moreover they must have a "no stopping" sign in order to ensure the space necessary for the refuse collection vehicle to carry out the operations of emptying the refuse container.

[0005] To this must be added the need to also bear a series of items of information that assist the user in using the container correctly, such as for example the type of refuse to be discarded in the container.

[0006] For this reason, the walls of containers are generally provided with heterogeneous supports, such as plastic stickers, riveted aluminum panels, or indications written by means of spray paint.

[0007] Such techniques however have the drawback that the images and the wordings tend to lose their original coloring quickly, effectively resulting in illegibility of the information on them.

[0008] In particular, urban pollution, atmospheric agents, the shapes and ribbing of the walls of the containers, and the materials of which the containers are made are among the main causes of the rapid deterioration of indications, which must thus be frequently replaced.

[0009] Moreover, the containers presently on the market differ enormously among each other, in particular in terms of the material of which they are made (iron, stainless steel, aluminum, plastic with injection molding, plastic with rotational molding, fiberglass), as well as the geometric shape, the capacity (from 80 liters up to 10 cubic meters) and the system of hooking for emptying (side loading, rear loading, front loading, with ring-shaped or mushroom-shaped upper hooks for cranes).

[0010] For this reason, if panels are used as the support for informative or advertising material, they will have a different size and shape depending on the type of box on which they will be applied, with consequent increase in costs for their production and installation.

[0011] EP 1 228 727 discloses the preamble of claim 1.

[0012] The aim of the present invention is to solve the above-mentioned drawbacks, by providing an exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like which is highly versatile.

[0013] Within this aim, an object of the invention is to provide an exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like which ensures an easy replacement of the in-

formative material exhibited therein.

[0014] Another object of the invention is to provide an exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like which preserves the informative material exhibited therein from degradation.

[0015] Another object of the present invention is to provide an exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like which is easy and safe to install.

[0016] Another object of the present invention is to provide an exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like which is low-cost, easily and practically implemented and safe in application.

[0017] This aim and these objects are achieved by an exhibition device according to claim 1. Further characteristics and advantages of the invention will become better apparent from the detailed description that follows of a preferred, but not exclusive, embodiment of the exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like, according to the invention, which is illustrated by way of non-limiting example in the accompanying drawings, wherein:

Figure 1 is a perspective view of a portion of the exhibitor according to the invention;

Figure 2 is a perspective view of a detail of the exhibitor according to the invention;

Figure 3 is a perspective view of a possible embodiment of the exhibitor according to the invention;

Figure 4 is a perspective view from below of a component of the exhibitor according to the invention;

Figure 5 is a perspective view from above of a component of the exhibitor according to the invention;

Figure 6 is a perspective view of a possible use of the exhibitor according to the invention.

[0018] With particular reference to the figures, the reference numeral 1 generally designates an exhibitor for supporting informative material particularly for containers, urban furnishing elements and the like.

[0019] According to the invention, the exhibitor 1 comprises at least one plate 2 which is provided with drainage holes (which will be described and illustrated below) and with at least one contoured perimetric edge 3.

[0020] Such plate 2 is intended to accommodate stably at least one panel 4.

[0021] The panel 4 is a rigid or semirigid support which bears the informative or advertising content to be exhibited. It can be made of plastic material, cardboard, plastic-coated card, aluminum or a combination of these materials.

[0022] The exhibitor 1, according to the invention, also comprises a closure element 5 which is provided with means 6 for detachable coupling with the contoured perimetric edge 3.

[0023] The closure element 5 couples the panel 4 to the plate 2.

[0024] The coupling means 6 and the contoured perimetric edge 3 comprise respective mated and complementary profiles.

[0025] The exhibitor 1 comprises at least two plates 2a and 2b, which are mutually connected by way of the mutual juxtaposition of the mated and complementary profiles of the contoured perimetric edges 3a and 3b thereof.

[0026] Advantageously the contoured perimetric edge 3 and the coupling means 6 are constituted respectively by two mutually offset series of protrusions 7 and recesses 8.

[0027] Both of these protrusions 7 and recesses 8 are substantially trapezoidal.

[0028] According to a particular embodiment, the two series of protrusions 7 and recesses 8 are respectively arranged on two different planes which are parallel to the plane defined by the plate 2.

[0029] The staggered arrangement of the two series of protrusions 7 and recesses 8 is such that each protrusion 7 of the first series is positioned at a recess of the second series, and vice versa.

[0030] In particular, the protrusions 7 of the closure element 5 and of the contoured perimetric edge 3 respectively have through cavities 9 and openings 10 (specifically these through cavities 9 and openings 10 constitute part of the drainage holes).

[0031] In the coupling configuration of the closure element 5 with the contoured perimetric edge 3 the cavities 9 are aligned with the respective openings 10 for the optional accommodation of corresponding locking means 11, which allow the mutual stable locking in this configuration.

[0032] Alternatively, a permanent locking can be envisaged, by way of adhesive bonding, on one side of the exhibitor 1, and a temporary locking on the other side, in order to enable a quick replacement of the panel 4.

[0033] In order to prevent unauthorized persons from removing the closure element 5 from the plate 2, one or more antitheft elements are moreover provided, such as for example a padlock or a screw with self-locking nut.

[0034] According to an embodiment of undoubted practical and applicative interest, the exhibitor 1 comprises two plates 2, (2a and 2b), and the protrusions 7 (in particular the protrusions designed to mutually connect 7a and 7b) of a contoured perimetric edge 4 (specifically the mutually opposite edges 3a and 3b) of a first and of a second plate 2a and 2b have a plurality of openings 10 (in detail, the openings 10a and 10b respectively).

[0035] In the coupling configuration of the first and the second edge 3 (3a and 3b), the openings 10a of the first plate 2a are aligned with the openings 11b of the second plate 2b, for the optional accommodation of corresponding locking means 11, which allow stable coupling in this configuration.

[0036] Alternatively, the mutual locking between the plates 2a and 2b can be performed by adhesive bonding.

[0037] For this reason adapted recesses are provided in order to accommodate the adhesive or the silicone used for the locking.

[0038] Conveniently the plate 2 has at least one guiding portion 12 in order to facilitate the slideable insertion of at least one panel 4 on the plate 2 itself.

[0039] Such guiding portion 12 has a first part 13 which is integral with and perpendicular to the plate 2, and a second part 14, which is integral with the first part 13 and arranged substantially parallel to the plate 2.

[0040] The different length of the first part 13 of each guiding portion 12 determines the distance of the respective panel 4, accommodated thereon, from the plate 2.

[0041] At the area of the plate 2 which is subtended by the second part 14 an outflow passage 15 is arranged, so as to allow efficient draining of liquids (such passages 15 constitute part of the drainage holes) and the simultaneous outflow of dust and residues in general.

[0042] The guiding portion 12 can be preferably U-shaped or V-shaped, but other embodiments are not ruled out.

[0043] In fact, according to a further embodiment of particular simplicity and effectiveness, the guiding portion 12 can be a single, double or multiple track, for example E-shaped.

[0044] Such shape structure enables the simultaneous insertion of two or more panels 4, arranging them on different planes which are parallel to the plate 2.

[0045] Such possibility makes it possible, for example, to insert a panel 4 with an advertising image and above this another two informative panels 4, smaller than the first, indicating the no-stopping sign and the type of refuse to discard in the container.

[0046] The advertising panel 4, even if positioned below the two informative panels 4, is visible as well, since, the latter two being smaller in size, they only partially cover the surface of the advertising panel 4, which thus remains visible to the user.

[0047] More specifically, at least one of the drainage holes, the through cavities 9, the openings 10 and the passages 15 has respective identification markings for the selective accommodation of fixing elements 16 which make it possible to firmly couple the exhibitor 1 to the respective wall 17 of a container 18, urban furnishing element and the like.

[0048] Such identification markings make it possible for the operator to immediately and safely identify the best fixing points for each determined model of container 18.

[0049] The possibility is not ruled out that the drainage holes, the through cavities 9, the openings 10 and the passages 15 have different diameters so as to allow the use of different fixing elements 16 according to requirements.

[0050] Alternatively, the exhibitor 1 can be firmly coupled to the respective wall 17 of a container 18, urban furnishing element and the like by adhesive bonding.

[0051] The characteristics of the locking means 11 and

the fixing elements 16 are such that they do not protrude forward, so as not to interfere with the sliding of the panel 4, or rearward, so as not to obstruct the correct positioning on the wall.

[0052] The exhibitor 1 can comprise at least one component selected from a loudspeaker, at least one light source and at least one display screen, for the distribution of informative and/or advertising messages.

[0053] The light source can for example be used to notify the user of the status of the container 18 i.e. a green light indicates that the container 18 is operational and has space available to contain the refuse, whereas a red light indicates that the container 18 is out of service because it is full.

[0054] The exhibitor 1 also makes it possible to accommodate small loudspeakers for the aural diffusion of acoustic signals or synthesized voice.

[0055] The apparatuses for controlling and powering such components can be installed behind the plate 2 by arrangement along a plane parallel thereto, or inside the container 18 in a suitable portion thereof.

[0056] A graduated scale is arranged on the plate 2 so as to facilitate the correct positioning and alignment of the exhibitor 1 on the wall 17.

[0057] Such scale is a sequence of equidistant lines, with distance graduation given in mm or cm and/or given in inches.

[0058] The lines are distributed along a straight line and are numbered with increasing numerals.

[0059] Such scale is generally positioned at the bottom on the left and it enables correct positioning by the operator with respect to the ground and/or with respect to a specific reference point arranged on the container 18.

[0060] The possibility is not excluded of arranging the graduated scale in the closure element 5 as well.

[0061] It must moreover be considered that the walls of the containers can have ribbing or reinforcement supports thus creating surfaces that are extremely uneven.

[0062] For this reason, adapted shims can moreover be provided to be interposed between the exhibitor 1 and the wall 17 of the container 18.

[0063] The plate 2 has a plurality of through eyelets 19 for optimum draining and the lightening thereof.

[0064] One or more exhibitors 1 can be applied side by side, overlaid or with any other arrangement, to the wall 17 of a container 18, so that the black centering line remains visible.

[0065] Such line, which characterizes side-loading containers, is the line that enables the automatic emptying of the containers.

[0066] In fact, by means of an adapted centering video camera, such line is read and codified by automatic robots, arranged on the collection vehicles, so as to identify the correct positioning, during the emptying step, of the collection vehicles with respect to the container.

[0067] The exhibitor 1 can be positioned with any orientation (horizontal, vertical, diagonal, inclined) along the walls 17 or the cover of the container 18.

[0068] The possibility is not excluded of also applying the exhibitor 1 to other urban furnishing elements such as a post, or a wall.

[0069] Use of the exhibitor 1 for supporting informative material particularly for containers, urban furnishing elements and the like according to the invention is as follows.

[0070] First, the shape and size of the exhibitor 1 required are determined.

[0071] After this, one or more plates 2 are assembled, until the final desired size is obtained.

[0072] The plates 2, if there is more than one, are fixed to each other by adhesive bonding or by locking means 11.

[0073] Then the operator proceeds by identifying the position of the exhibitor 1 on the wall 17, optionally by using the graduated scale provided, and the exhibitor 1, without the closure element, is coupled, by means of the fixing elements 16 or adhesive bonding, to the wall 17 of the container 18.

[0074] In this step the operator can thus choose the most suitable fixing points for that specific container 18 using the respective identification markings without the need to make holes in the plate 2 or the exhibitor 1.

[0075] At this point the operator proceeds by inserting one or more panels 4, according to requirements, into the guiding portions 12, after which the closure element 5 is coupled to the contoured perimetric edge 3 by the locking means 11 or by adhesive bonding.

[0076] Thus it can be seen, from the foregoing description, that the exhibitor 1, according to the invention, enables an easy and safe installation.

[0077] Effectively, the exhibitor 1 for supporting informative material particularly for containers, urban furnishing elements and the like, according to the invention, also attains the high versatility required in that the modularity of the plates 2 makes it possible to freely compose it thus obtaining the desired final size, in relation to the size and to the shape structure of the container 18.

[0078] Conveniently, the exhibitor 1, according to the invention, is such as to enable a quick replacement of the informative material exhibited therein.

[0079] In fact it is sufficient to remove the closure element 5 and take out the panel 4 to be replaced, insert the new panel 4 and reposition the closure element 5.

[0080] Positively, the exhibitor according to the invention makes it possible to preserve the informative material exhibited therein from degradation.

[0081] In particular the presence of the drainage holes, the through cavities 9, the openings 10, the passages 15 and the eyelets 19 enables the expulsion of water, both rainwater and the water used to clean the container 18.

[0082] It must also be considered that the plurality of through eyelets 19 make it possible to reduce the weight of the exhibitor 1, thus facilitating the transport and installation thereof, as well as the quantity of material necessary to produce it with simultaneous reduction of costs.

[0083] The lower weight of the exhibitor also implies a lower weight of the container 18, which is thus easier to

shift and move both manually and by means of a mechanized lifting apparatus.

[0084] Moreover, the presence of guiding portions 12, in particular the presence of the passages 15, enable the expulsion of the dust deposited on the exhibitor 1.

[0085] Profitably, during the step of extracting a panel 4 and subsequently introducing another panel 4, the dust is shifted until it naturally exits from the passages 15 arranged at the rear of the guiding portions 12.

[0086] In practice it has been found that the exhibitor 1 for supporting informative material particularly for containers, urban furnishing elements and the like fully achieves the set aim in that it ensures considerable versatility of use, thanks to the modularity that distinguishes it.

[0087] The invention, thus conceived, is susceptible of numerous modifications and variations, all of which are within the scope of the appended claims. Moreover, all the details may be substituted by other, technically equivalent elements.

[0088] In the embodiments illustrated, individual characteristics shown in relation to specific examples may in reality be interchanged with other, different characteristics, existing in other embodiments.

[0089] In practice, the materials employed, as well as the dimensions, may be any according to requirements and to the state of the art.

[0090] The disclosures in Italian Patent Application No. BO2011A000629 from which this application claims priority are incorporated herein by reference.

[0091] 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. An exhibiting device for supporting informative material, particularly for containers, urban furnishing elements and the like, whereby it comprises at least one plate (2), which is provided with at least one contoured perimetric edge (3), said plate (2) being intended to accommodate stably at least one panel (4), and at least one closure element (5) provided with means (6) for detachable coupling to said contoured perimetric edge (3), said closure element (5) coupling said panel (4) to said plate (2), said coupling means (6) and said contoured perimetric edge (3) comprising respective mated and complementary profiles, said exhibiting device being **characterized in that** the at least one plate is provided with drainage holes and **in that** it comprises at least two plates (2, 2a and 2b), which are mutually connected by means of the mutual juxtaposition of said mated and com-

plementary profiles of the contoured perimetric edges (3, 3a and 3b) of said plates.

2. The exhibiting device according to claim 1, **characterized in that** said contoured perimetric edge (3) and said coupling means (6) are constituted respectively by two mutually offset series of protrusions (7) and recesses (8), said protrusions (7) and said recesses (8) being substantially trapezoidal.
3. The exhibiting device according to claim 2, **characterized in that** the protrusions (7) of said closure element (5) and said contoured perimetric edge (3) respectively have through cavities (9) and openings (10), in the configuration for the coupling of the closure element (6) with the contoured perimetric edge (4) said cavities (10) being aligned with respective openings (10) for the optional accommodation of corresponding locking means (11), allowing mutual stable locking in said configuration.
4. The exhibiting device according to one or more of the preceding claims, **characterized in that** it comprises two plates (2, 2a and 2b), the protrusions (8) of a contoured perimetric edge (4, 4a and 4b) of a first plate and of a second plate (2, 2a and 2b) having a plurality of openings (10), in the coupling configuration of said first and second edges (4) the openings (10a) of said first plate (2a) being aligned with the openings of said second plate (2b) for the optional accommodation of corresponding locking means (11), allowing stable coupling in said configuration.
5. The exhibiting device according to one or more of the preceding claims, **characterized in that** said plate (2) has at least one guiding portion (12) so as to facilitate the slideable insertion of said at least one panel (4) on said plate (2).
6. The exhibiting device according to one or more of the preceding claims, **characterized in that** said guiding portion (12) has a first part (13), which is integral with and perpendicular to said plate (2), and a second part (14), which is integral with said first part (13) and arranged substantially parallel to said plate (2), the different length of the first part (13) of each guiding portion (12) determining the distance of the respective panel (4), accommodated thereon, from the plate (2).
7. The exhibiting device according to one or more of the preceding claims, **characterized in that** an outflow passage (15) is arranged at the area of said plate (2) that is subtended by said second part (14) so as to allow efficient draining of liquids and the simultaneous escape of dust and residues in general.

8. The exhibiting device according to one or more of the preceding claims, **characterized in that** at least one among said drainage holes, said openings (10) and said passages (15) has respective identification markings for the selective accommodation of fixing elements (16) which are adapted to firmly couple said exhibiting device (1) to the respective wall (17) of a container (18), urban furnishing element and the like.
9. The exhibiting device according to one or more of the preceding claims, **characterized in that** it comprises at least one component selected from a loudspeaker, at least one light source and at least one display screen, for the distribution of informative or advertising messages.
10. The exhibiting device according to one or more of the preceding claims, **characterized in that** a graduated scale is provided on said plate (2) and is adapted to facilitate the correct positioning and alignment of said exhibiting device (1) on said wall (17).
11. The exhibiting device according to one or more of the preceding claims, **characterized in that** said plate has a plurality of through eyelets (19) for optimum draining and for the lightening thereof.

Patentansprüche

1. Eine Ausstellungsverrichtung zum Tragen von Informationsmaterial, insbesondere für Behälter, Stadtmobiliarelelemente und dergleichen, wodurch sie mindestens eine Platte (2) umfasst, welche mit mindestens einer konturierten Umfangskante (3) versehen ist, wobei die Platte (2) dazu bestimmt ist, mindestens eine Tafel (4) stabil aufzunehmen, und mindestens ein Verschlusselement (5), ausgestattet mit Mitteln (6) zur lösbaren Kopplung mit der konturierten Umfangskante (3), wobei das Verschlusselement (5) die Tafel (4) mit der Platte (2) koppelt, wobei die Kopplungsmittel (6) und die konturierte Umfangskante (3) entsprechende zusammenpassende und komplementäre Profile umfassen, wobei die Ausstellungsverrichtung **dadurch gekennzeichnet ist, dass** die mindestens eine Platte mit Abflussbohrungen versehen ist, und dadurch, dass sie mindestens zwei Platten (2, 2a und 2b) umfasst, die durch die Nebeneinanderstellung der zusammenpassenden und komplementären Profile der konturierten Umfangskanten (3, 3a und 3b) der Platten miteinander verbunden sind.
2. Ausstellungsverrichtung gemäß Anspruch 1, **dadurch gekennzeichnet, dass** die konturierte Umfangskante (3) und die Kopplungsmittel (6) aus zwei voneinander versetzten Reihen von Vorsprüngen (7)

und Vertiefungen (8) bestehen, wobei die Vorsprünge (7) und die Vertiefungen (8) im Wesentlichen trapezförmig sind.

3. Die Ausstellungsverrichtung gemäß Anspruch 2, **dadurch gekennzeichnet, dass** die Vorsprünge (7) des Verschlusselements (5) und die konturierte Umfangskante (3) durchgehende Hohlräume (9) und Öffnungen (10) haben, wobei die Hohlräume (10) in der Anordnung zum Koppeln des Verschlusselements (6) mit der konturierten Umfangskante (4) mit entsprechenden Öffnungen (10) fluchten, zur fakultativen Aufnahme entsprechender Verriegelungsmittel (11), was eine stabile Verbindung miteinander in der Anordnung ermöglicht.
4. Ausstellungsverrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** sie zwei Platten (2, 2a und 2b) umfasst, wobei die Vorsprünge (8) einer konturierten Umfangskante (4, 4a und 4b) einer ersten Platte und einer zweiten Platte (2, 2a und 2b) eine Vielzahl von Öffnungen (10) haben, in der Kopplungsanordnung der ersten und zweiten Kanten (4) die Öffnungen (10a) der ersten Platte (2a) mit den Öffnungen der zweiten Platte (2b) fluchten, zur fakultativen Aufnahme entsprechender Verriegelungsmittel (11), was in der Anordnung eine stabile Kopplung ermöglicht.
5. Ausstellungsverrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** die Platte (2) mindestens einen Führungsabschnitt (12) hat, um das verschiebbare Einfügen der mindestens einen Tafel (4) in die Platte (2) zu erleichtern.
6. Ausstellungsverrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** der Führungsabschnitt (12) einen ersten Teil (13) hat, der integral mit und senkrecht zu der Platte (2) ist, und einen zweiten Teil (14), der integral mit dem ersten Teil (13) und im Wesentlichen parallel zu der Platte (2) angeordnet ist, wobei die verschiedene Länge des ersten Teils (13) jedes Führungsabschnitts (12) den Abstand der jeweiligen Tafel (4), die darauf angebracht ist, von der Platte (2) bestimmt.
7. Ausstellungsverrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** ein Ausflusskanal (15) in dem Bereich der Platte (2) angeordnet ist, der dem zweiten Teil (14) gegenüberliegt, um ein effizientes Ablassen von Flüssigkeiten und das gleichzeitige Entweichen von Staub und Rückständen im Allgemeinen zu ermöglichen.
8. Die Ausstellungsverrichtung gemäß einem oder

mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** mindestens eines der Abflussbohrungen, der Öffnungen (10) und der Kanäle (15) entsprechende Kennzeichnungsmarkierungen zur selektiven Aufnahme von Befestigungselementen (16) hat, die ausgebildet sind, um die Ausstellungsvorrichtung (1) fest mit der jeweiligen Wand (17) eines Behälters (18), Stadtmobiliarelelementen und dergleichen zu koppeln.

9. Die Ausstellungsvorrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** sie mindestens eine Komponente umfasst, die gewählt ist aus einem Lautsprecher, mindestens einer Lichtquelle und mindestens einem Bildschirm, für die Verbreitung von Informationen oder Werbenachrichten.

10. Die Ausstellungsvorrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** eine kalibrierte Skala an der Platte (2) angebracht und ausgebildet ist, um die korrekte Positionierung und Ausrichtung der Ausstellungsvorrichtung (1) an der Wand (17) zu erleichtern.

11. Die Ausstellungsvorrichtung gemäß einem oder mehreren der obigen Ansprüche, **dadurch gekennzeichnet, dass** die Platte eine Vielzahl durchgehender Ösen (19) zur optimalen Drainage und zur Beleuchtung derselben hat.

Revendications

1. Dispositif d'exposition pour supporter du matériel d'information, en particulier pour des conteneurs, des éléments de mobilier urbain et analogue, le dispositif comprenant au moins une plaque (2), qui est pourvue d'au moins un bord périmétrique profilé (3), ladite plaque (2) étant destinée à recevoir au moins un panneau (4) de manière stable, et au moins un élément de fermeture (5) pourvu de moyens (6) pour un couplage détachable audit bord périmétrique profilé (3), ledit élément de fermeture (5) couplant ledit panneau (4) à ladite plaque (2), lesdits moyens de couplage (6) et ledit bord périmétrique profilé (3) comprenant des profils appariés et complémentaires respectifs, ledit dispositif d'exposition étant **caractérisé en ce que** la au moins une plaque est pourvue de trous de drainage et **en ce qu'il** comprend au moins deux plaques (2, 2a et 2b), qui sont mutuellement reliées au moyen de la juxtaposition mutuelle desdits profils appariés et complémentaires des bords périmétriques profilés (3, 3a et 3b) desdites plaques.

2. Dispositif d'exposition selon la revendication 1, **caractérisé en ce que** ledit bord périmétrique profilé

(3) et lesdits moyens de couplage (6) sont respectivement constitués de deux séries mutuellement décalées de saillies (7) et d'évidements (8), lesdites saillies (7) et lesdits évidements (8) étant sensiblement trapézoïdaux.

3. Dispositif d'exposition selon la revendication 2, **caractérisé en ce que** les saillies (7) dudit élément de fermeture (5) et dudit bord périmétrique profilé (3) ont respectivement des cavités traversantes (9) et des ouvertures (10), dans la configuration pour le couplage de l'élément de fermeture (5) avec le bord périmétrique profilé (4), lesdites cavités (10) étant alignées avec des ouvertures (10) respectives pour la réception --facultative de moyens de blocage (11) correspondants, permettant un blocage stable mutuel dans ladite configuration.

4. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce qu'il** comprend deux plaques (2, 2a et 2b), les saillies (8) d'un bord périmétrique profilé (4, 4a et 4b) d'une première plaque et d'une seconde plaque (2, 2a et 2b) ayant une pluralité d'ouvertures (10), dans la configuration de couplage desdits premier et second bords (4), les ouvertures (10a) de ladite première plaque (2a) étant alignées avec les ouvertures de ladite seconde plaque (2b) pour la réception facultative de moyens de blocage correspondants, permettant un couplage stable dans ladite configuration.

5. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce que** ladite plaque (2) a au moins une partie de guidage (12) de manière à faciliter l'insertion coulissante dudit au moins un panneau (4) sur ladite plaque (2).

6. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce que** ladite partie de guidage (12) a une première pièce (13), qui est solidaire de ladite plaque (2) et perpendiculaire à celle-ci, et une seconde pièce (14), qui est solidaire de ladite partie (13) et agencée de manière sensiblement parallèle à ladite plaque (2), la longueur différente de la première pièce (13) de chaque partie de guidage (12) déterminant la distance du panneau (4) respectif, reçu sur celle-ci, par rapport à la plaque (2).

7. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce qu'un** passage d'écoulement de sortie (15) est agencé sur la zone de ladite plaque (2) qui est sous-tendue par ladite seconde pièce (14) de manière à permettre un drainage efficace de liquides et l'échappement simultané de poussière et de résidus en général.

8. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce qu'**au moins un parmi lesdits trous de drainage, lesdites ouvertures (10) et lesdits passages (15) a des marquages d'identification respectifs pour la réception sélective d'éléments de fixation (16) qui sont adaptés pour coupler fermement ledit dispositif d'exposition (1) à la paroi (17) respective d'un conteneur (18), d'un élément de mobilier urbain et analogue. 5
9. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce qu'**il comprend au moins un composant choisi parmi un haut-parleur, au moins une source de lumière et au moins un écran d'affichage, pour la distribution de messages informatifs ou publicitaires. 10 15
10. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce qu'**une échelle graduée est agencée sur ladite plaque (2) et est adaptée pour faciliter le positionnement et l'alignement corrects dudit dispositif d'exposition (1) sur ladite paroi (17). 20
11. Dispositif d'exposition selon une ou plusieurs des revendications précédentes, **caractérisé en ce que** ladite plaque a une pluralité d'oeillets traversants (19) pour un drainage optimal et pour l'éclairage de celle-ci. 25

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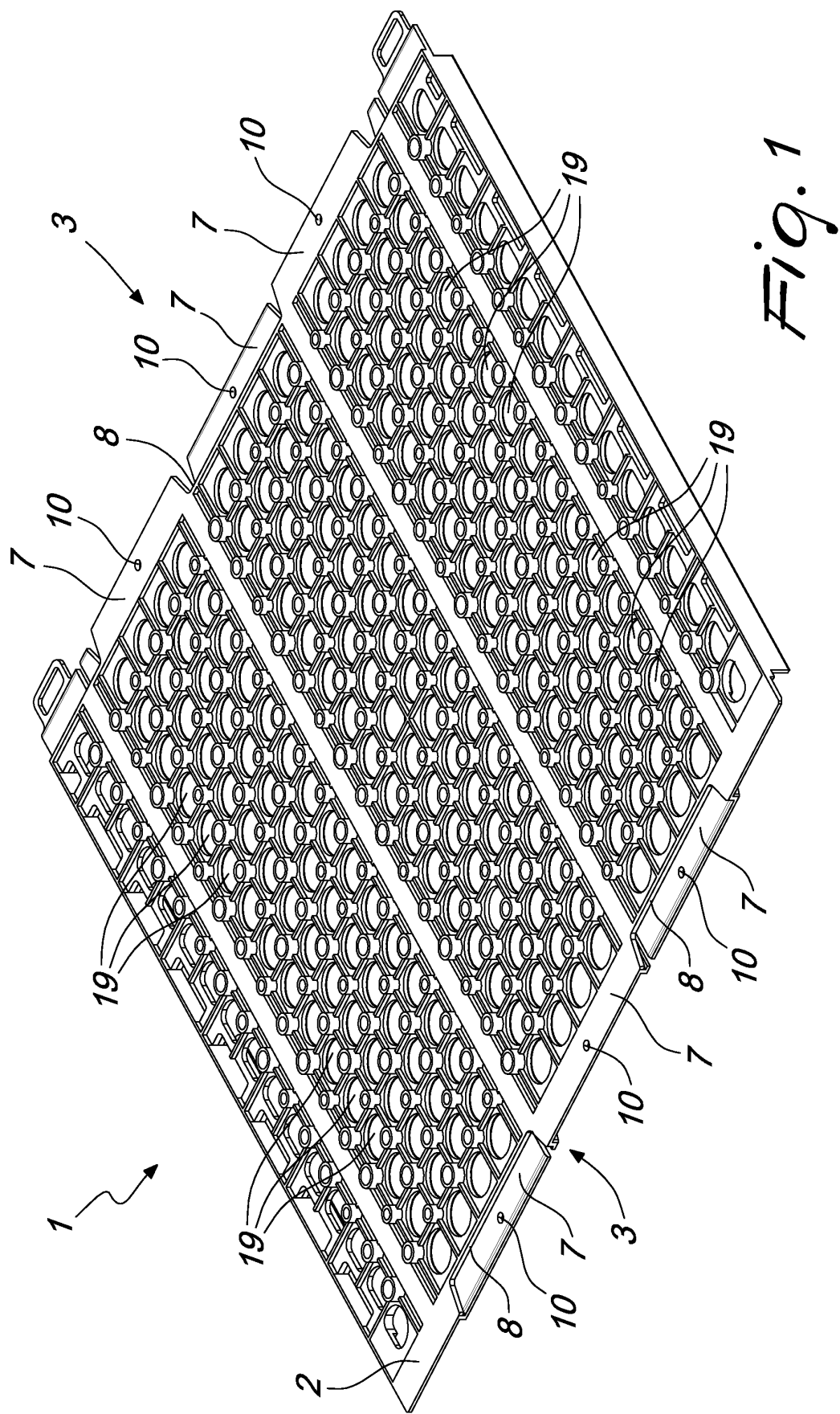
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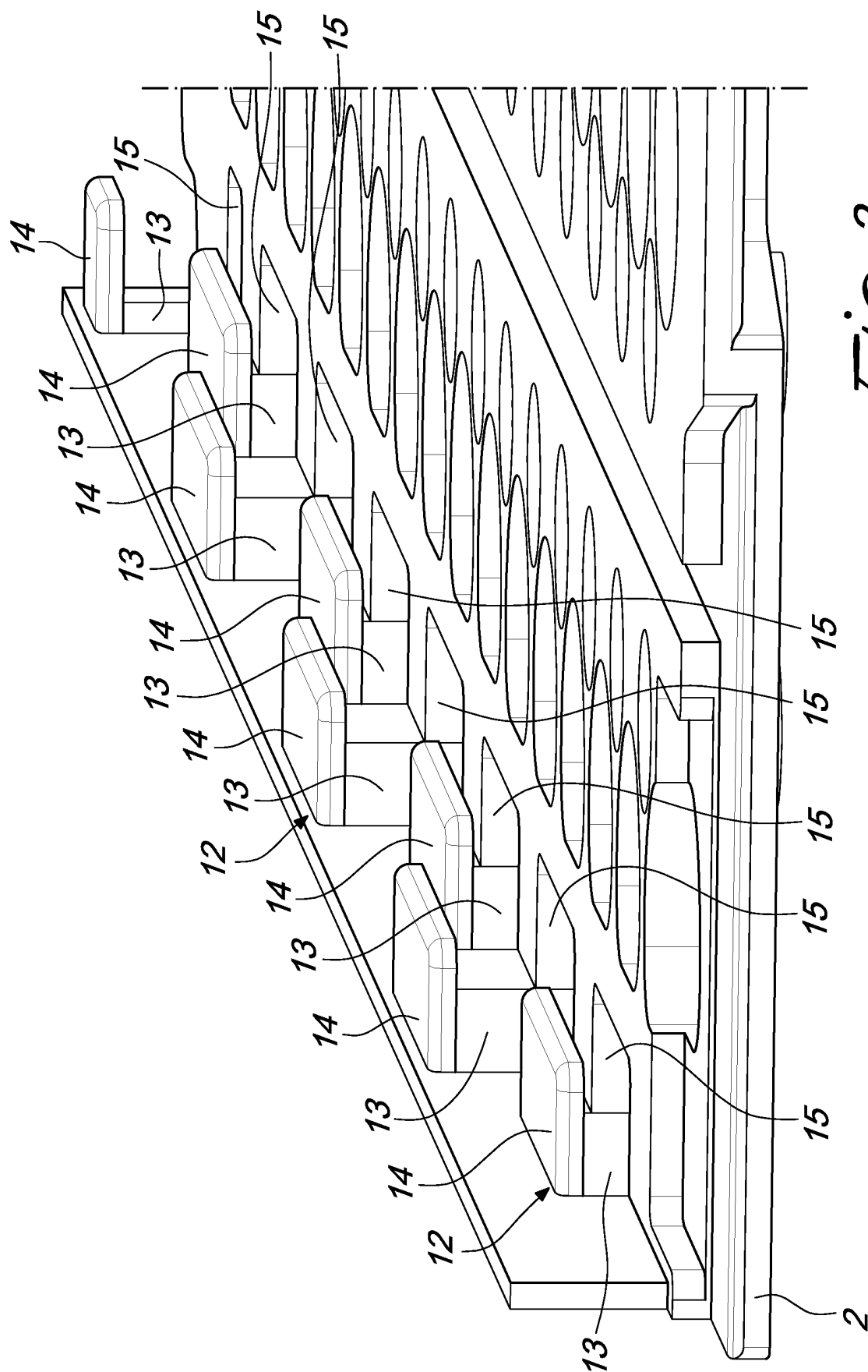
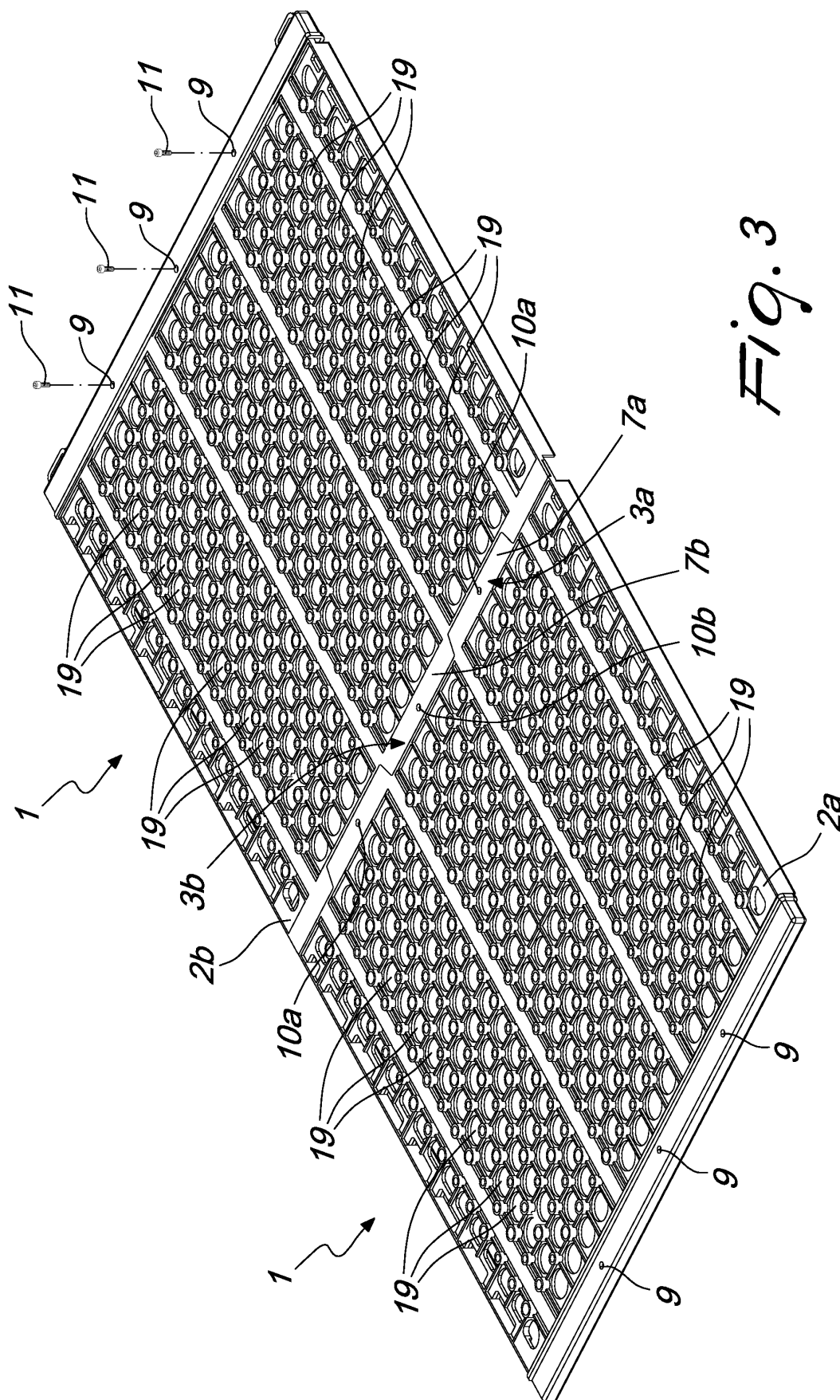
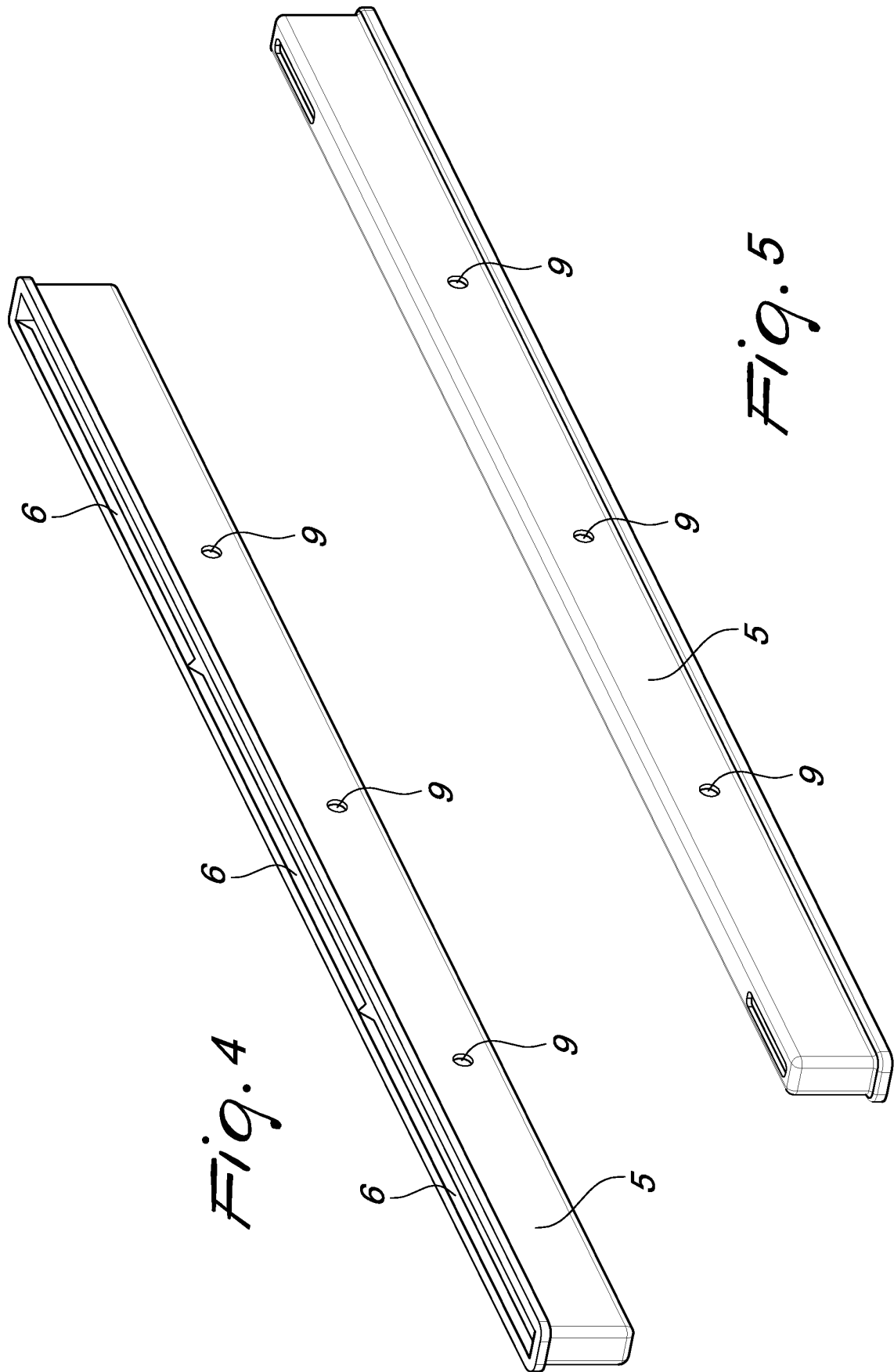


Fig. 2





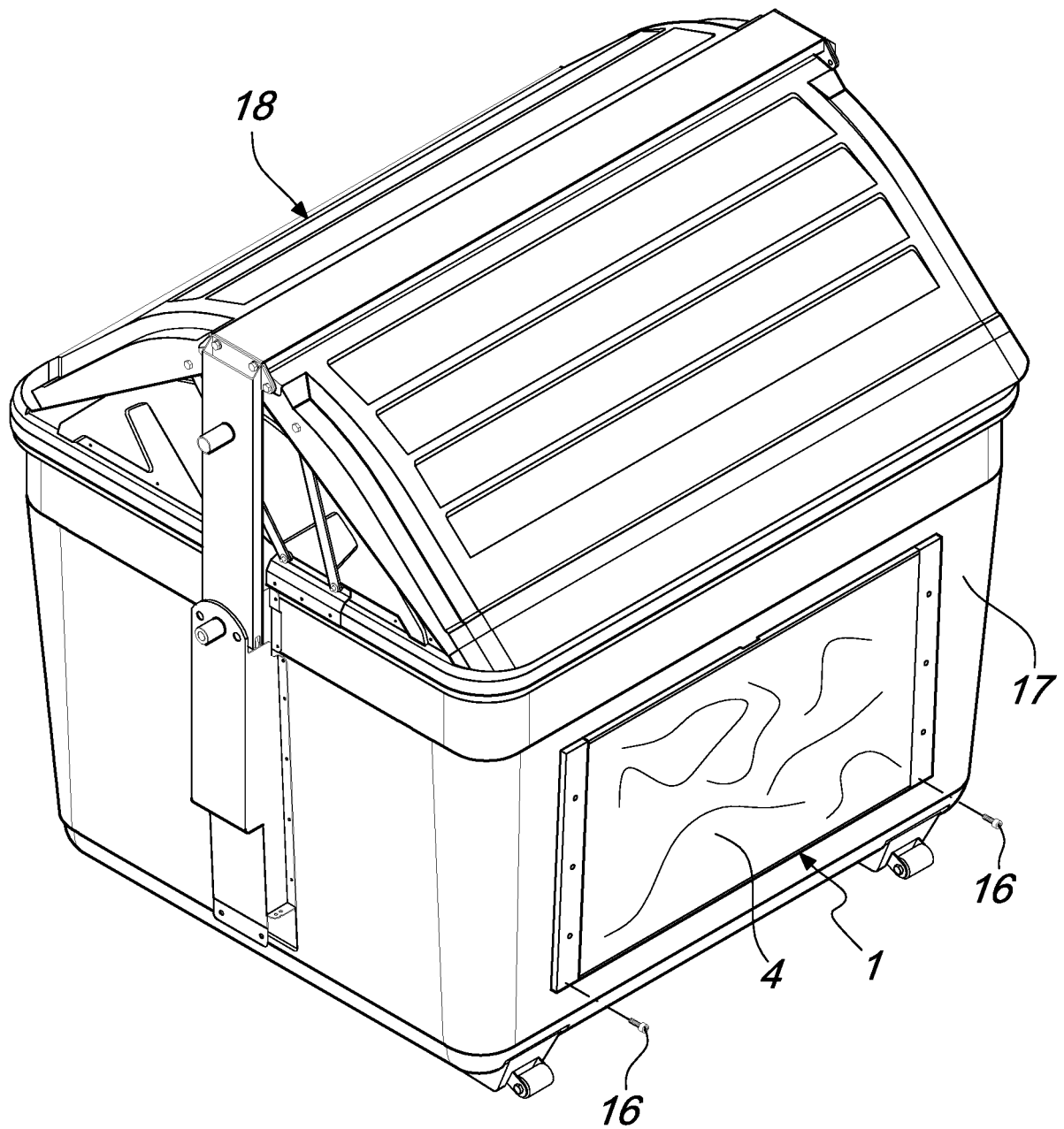


Fig. 6

REFERENCES CITED IN THE DESCRIPTION

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