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(54) **EXHAUST VENT DOORS**

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(57) **ABSTRACT**

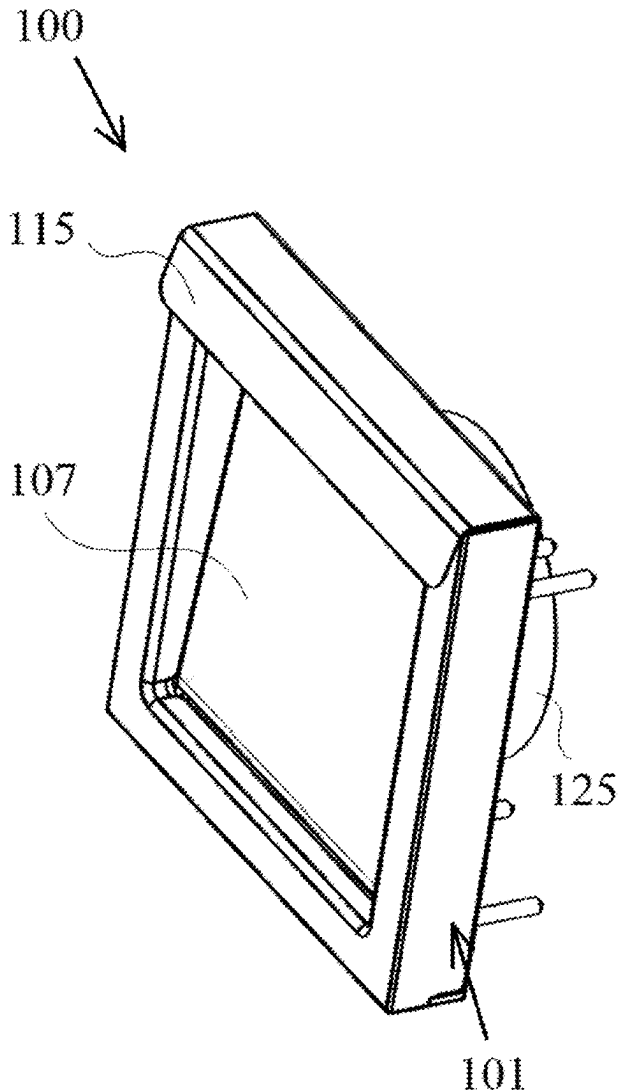
(21) Appl. No.: **19/202,100**

A wall exhaust vent (e.g., for a dryer or other HVAC system) can include a housing defining a vent opening, and one or more bumpers on or at least partially within the housing and configured contact a door of the wall exhaust vent in a closed position. The one or more bumpers can include a bumper body, and a magnet disposed at least partially within the bumper body that is configured to magnetically interact with the door of the wall exhaust vent to bias the door to the closed position.

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Related U.S. Application Data

(63) Continuation of application No. 16/412,074, filed on May 14, 2019.



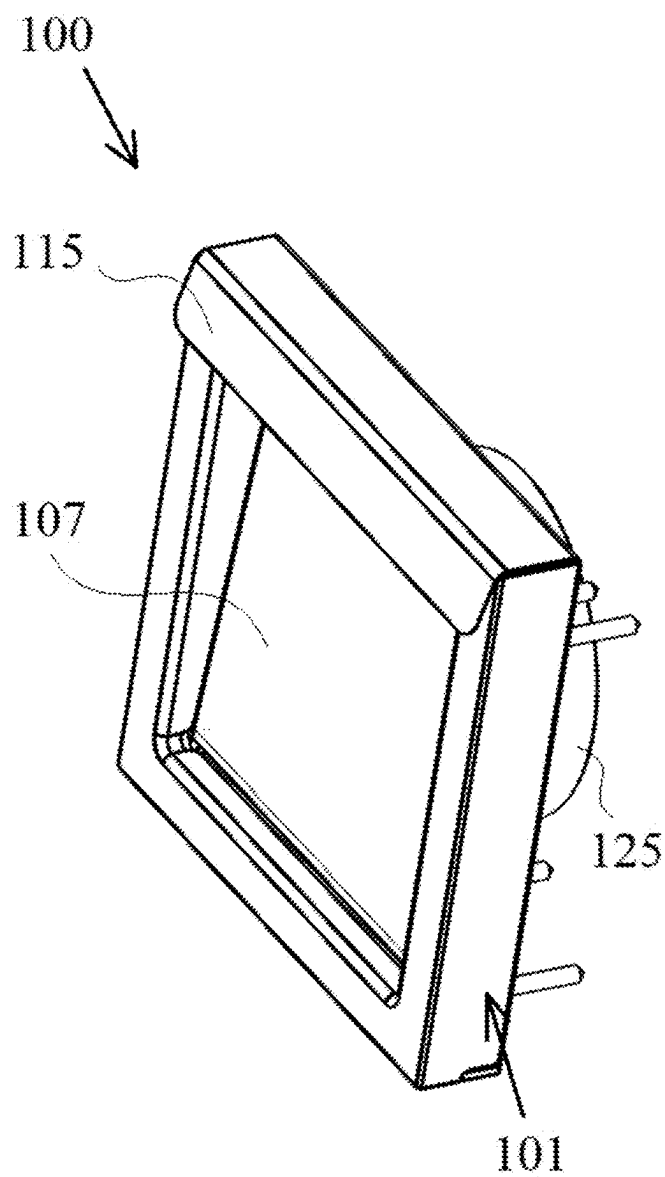


Fig. 1

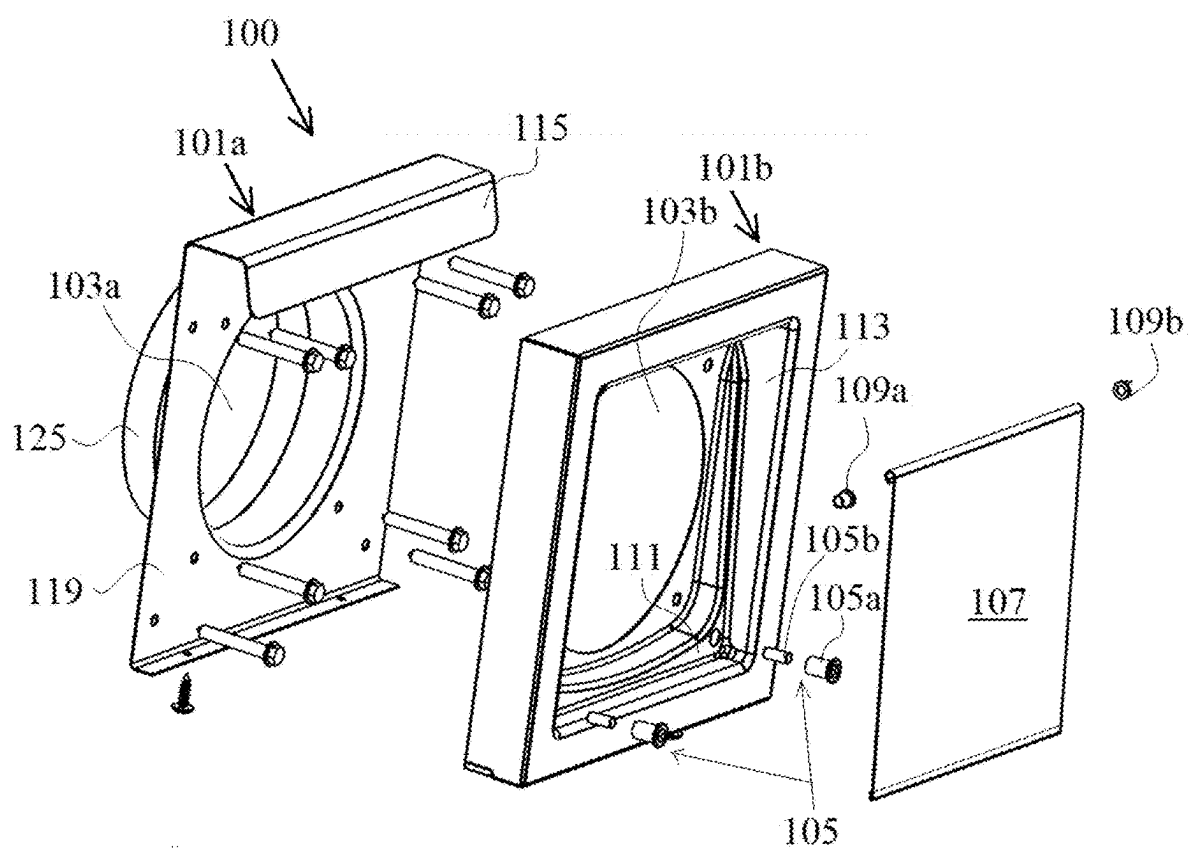


Fig. 2

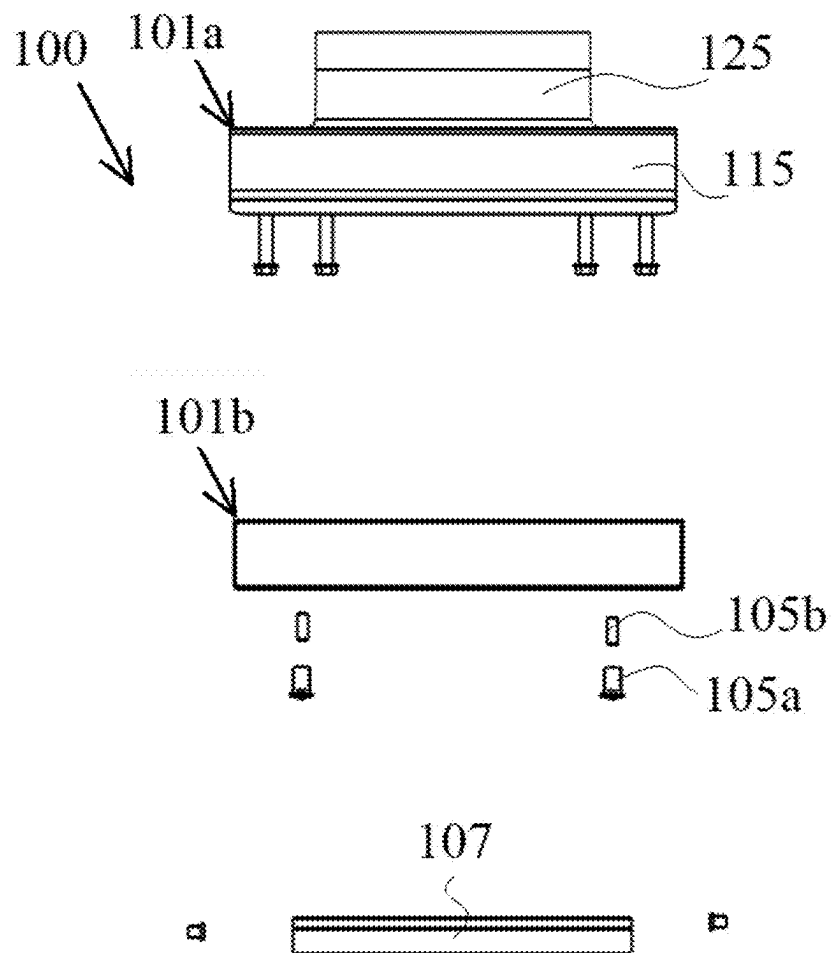


Fig. 3

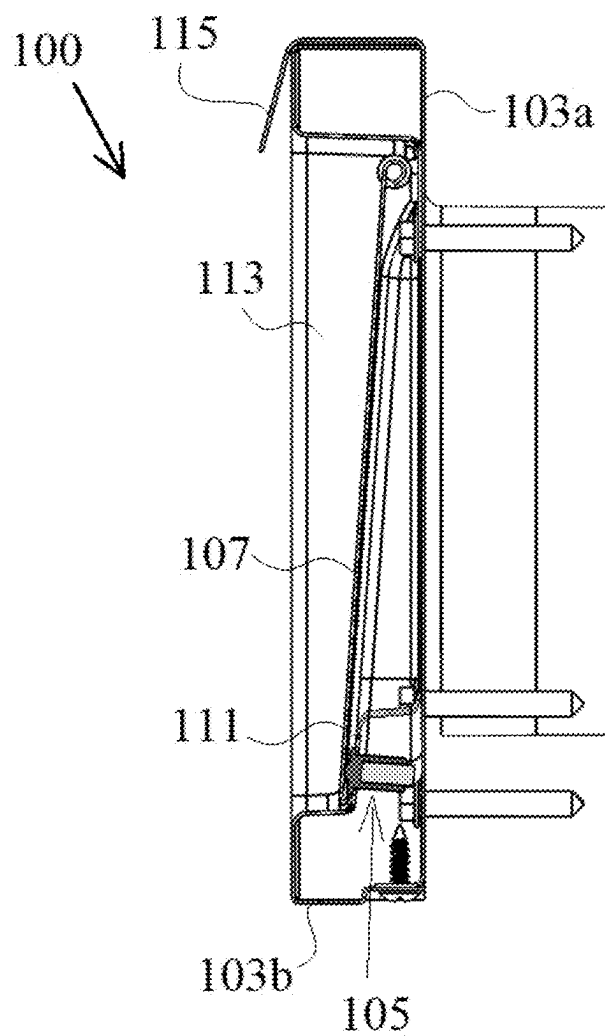


Fig. 4

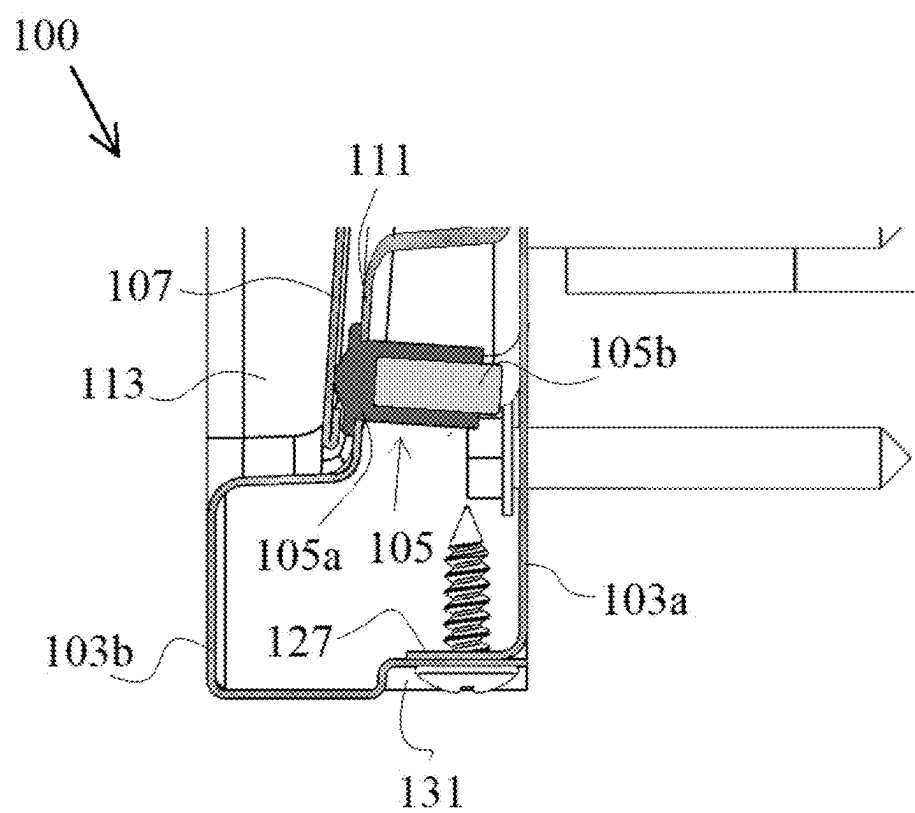


Fig. 5

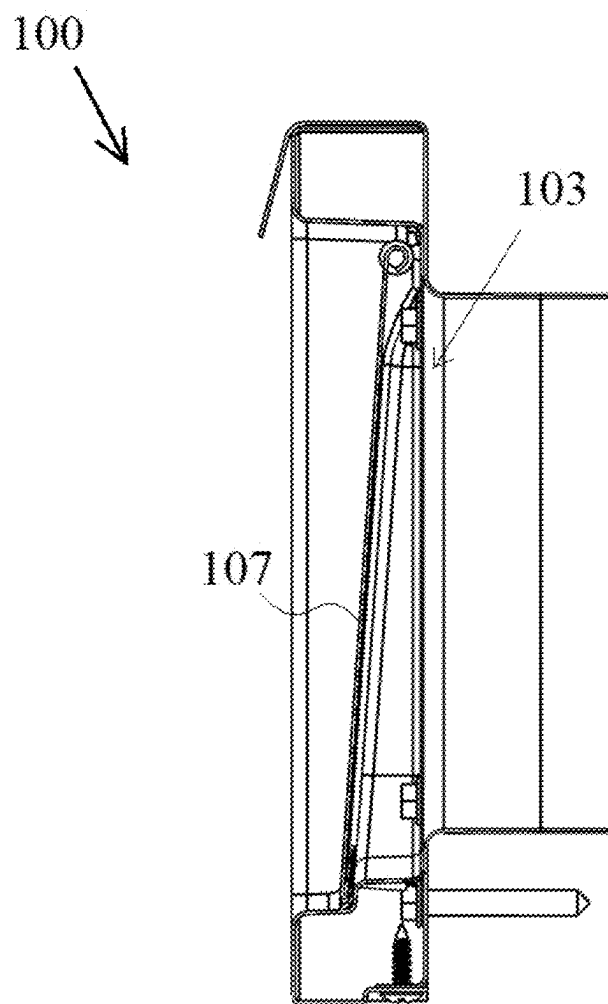


Fig. 6

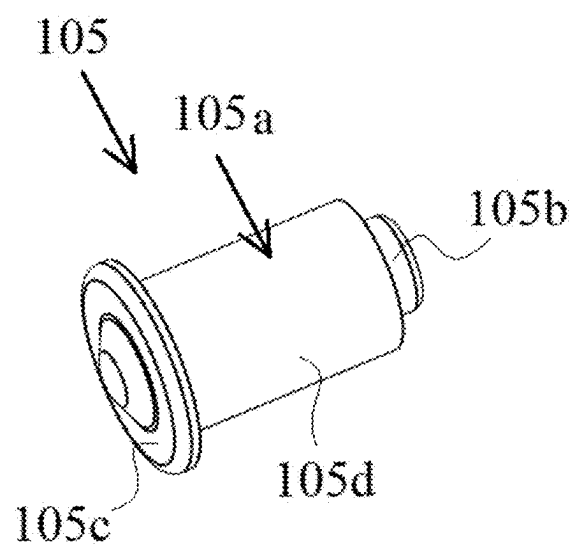


Fig. 7

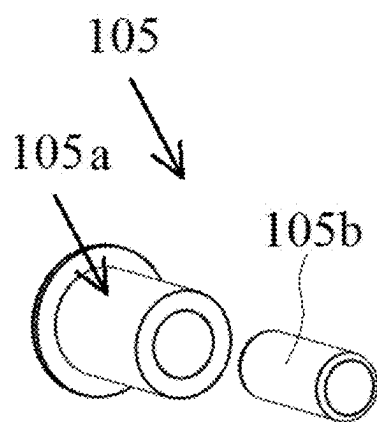
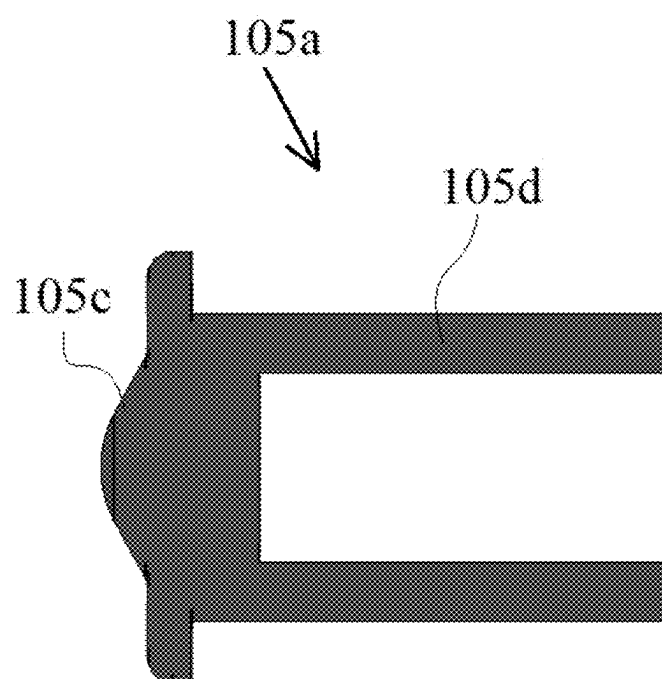


Fig. 8

**Fig. 9**

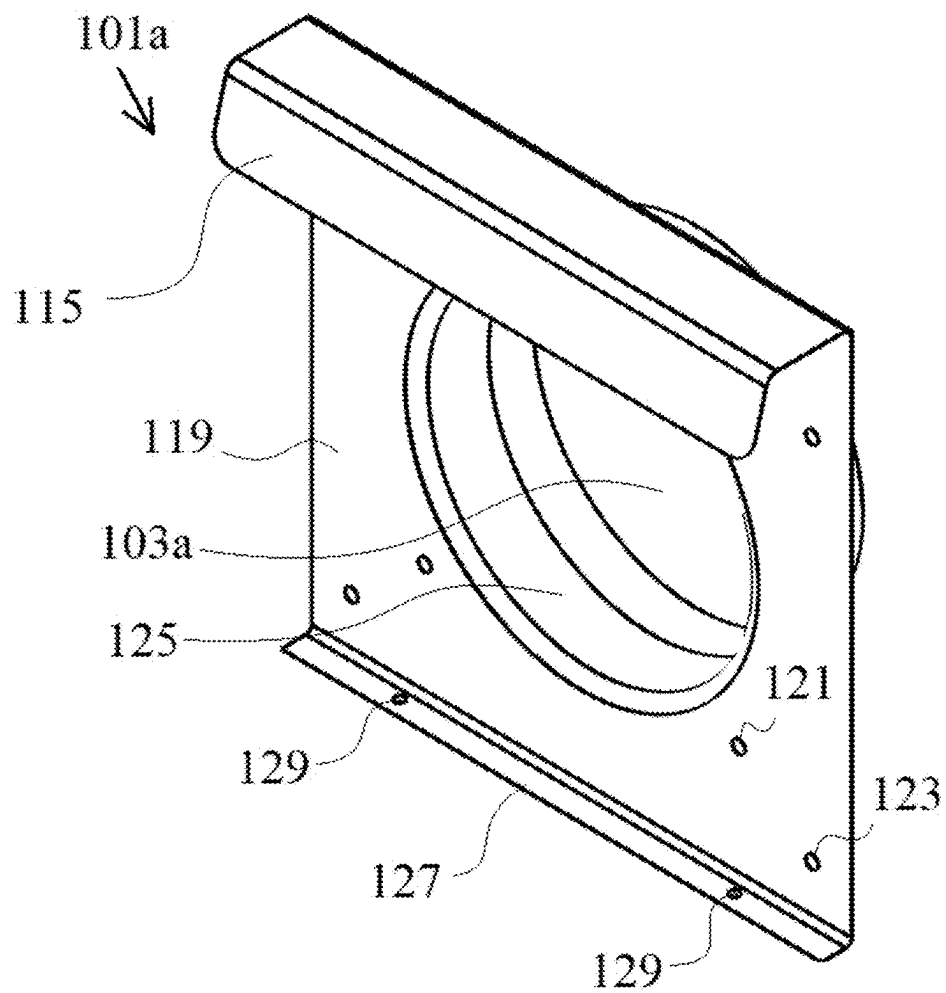


Fig. 10

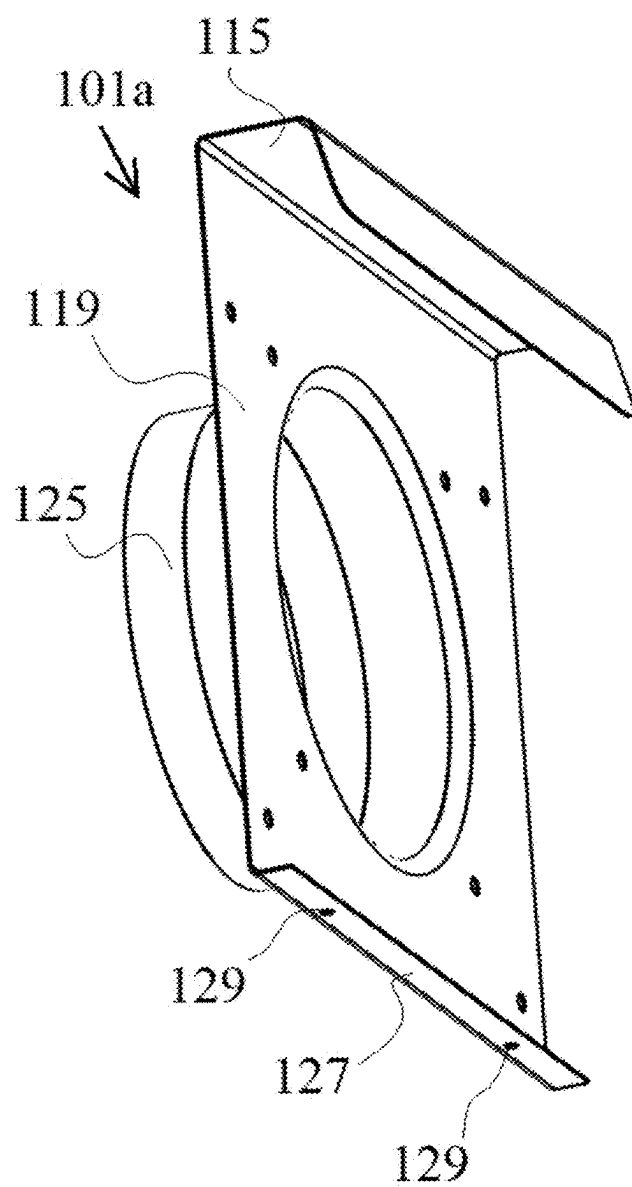


Fig. 11

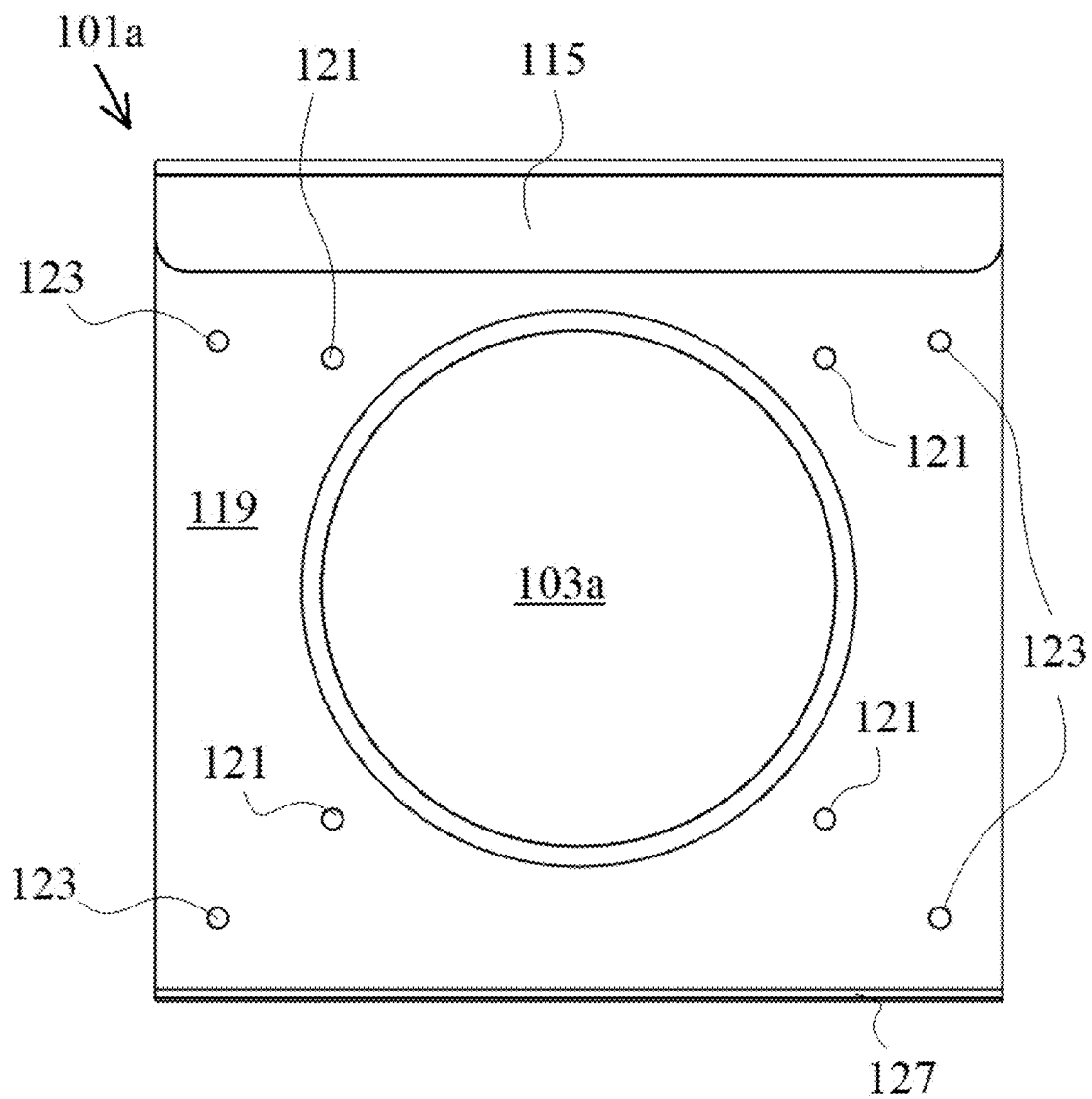


Fig. 12

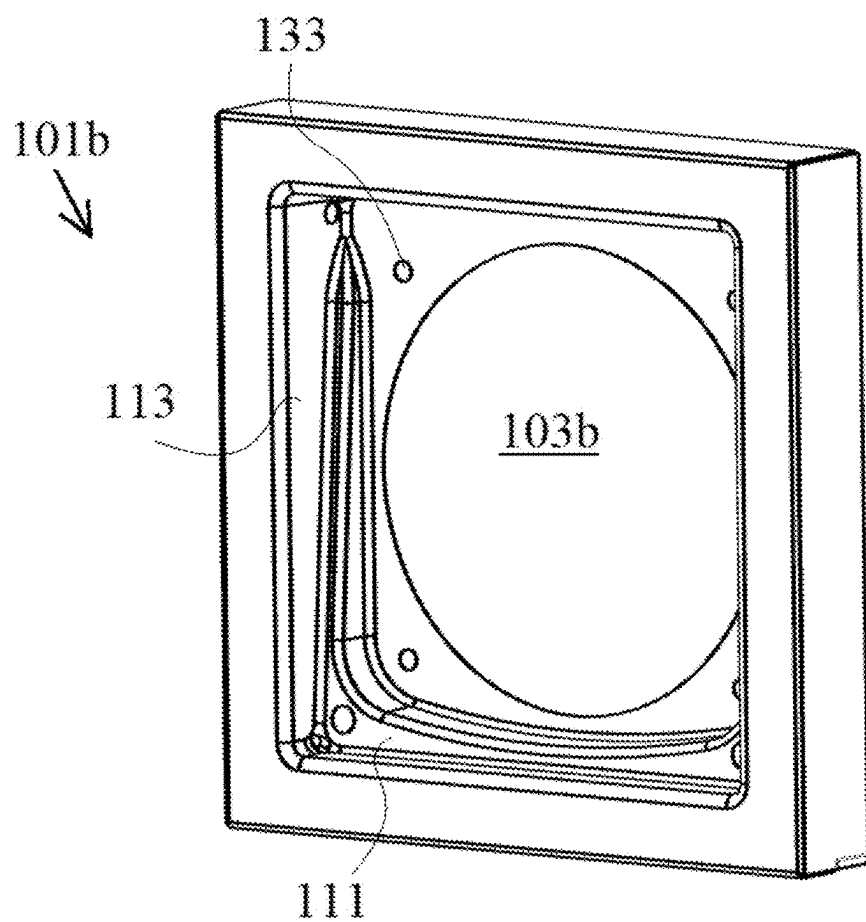


Fig. 13

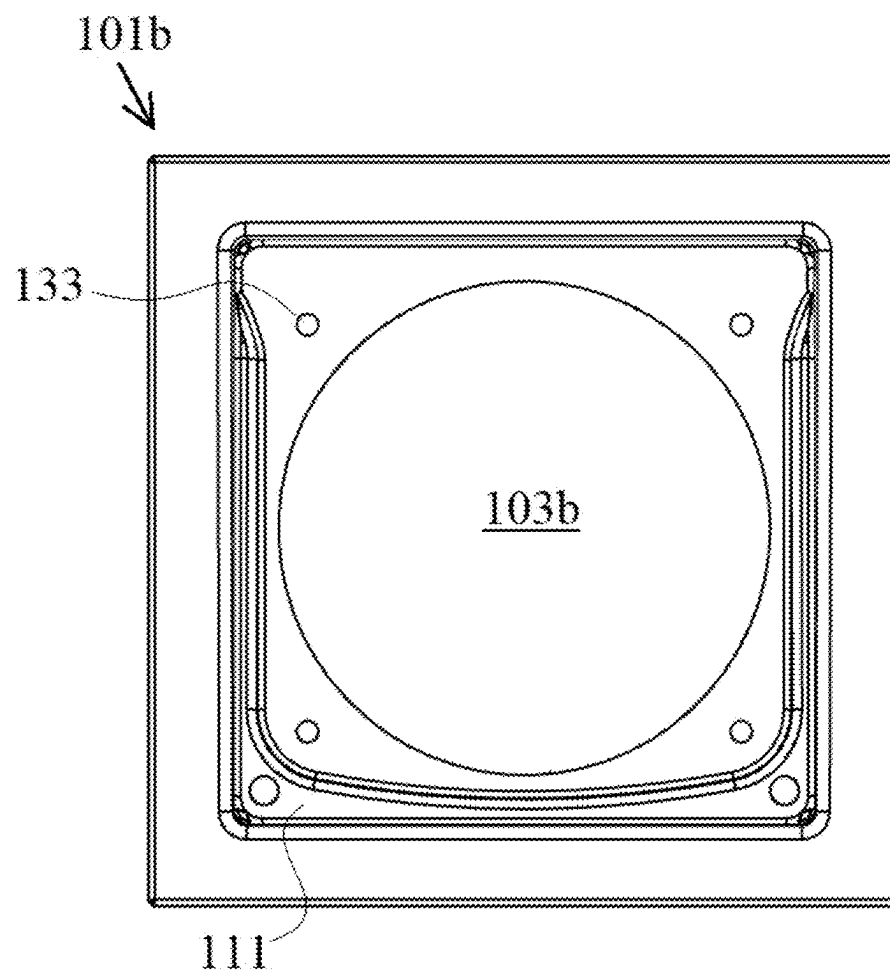


Fig. 14

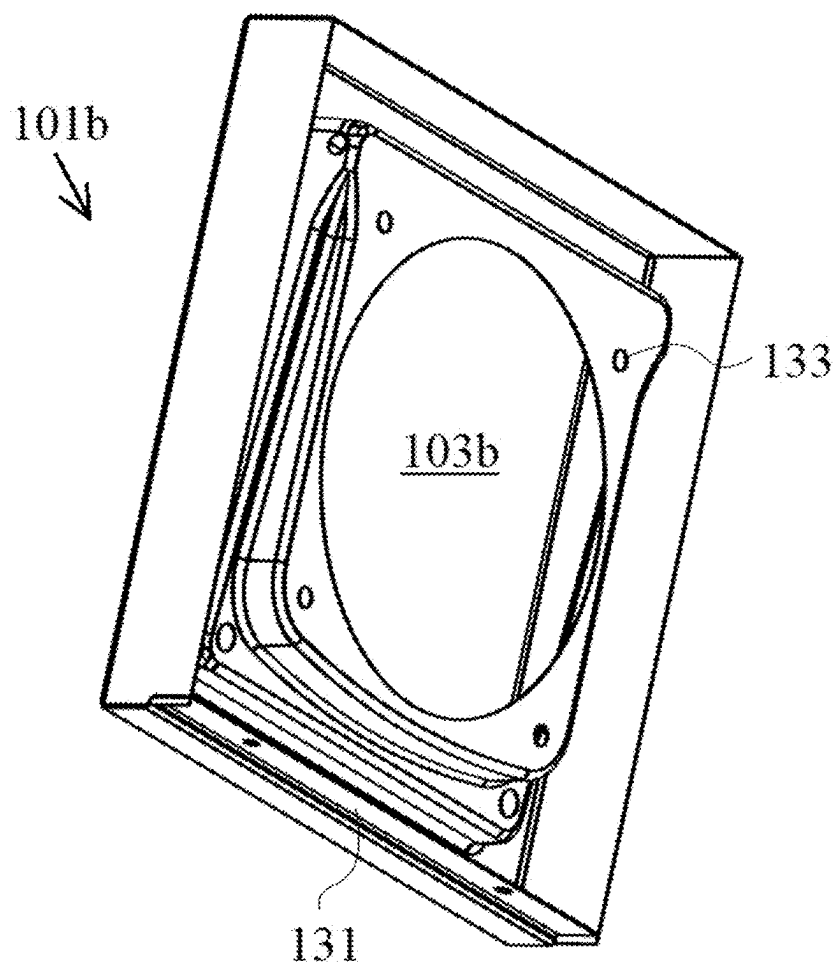


Fig. 15

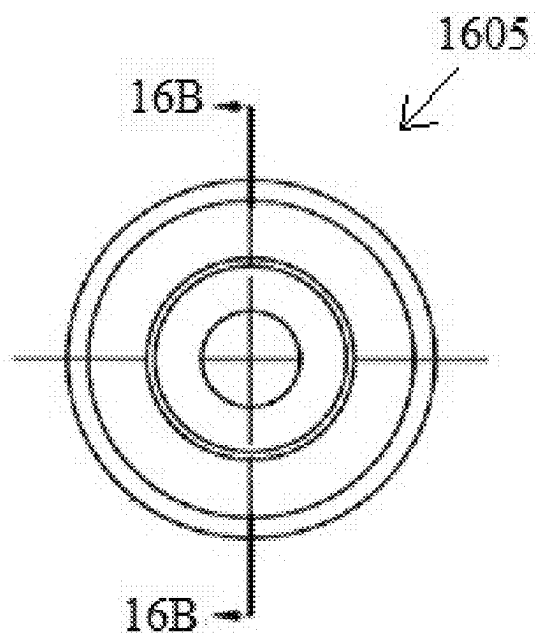


Fig. 16A

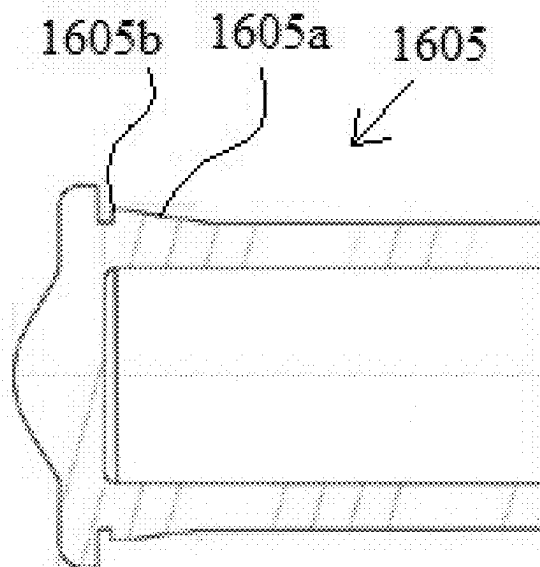


Fig. 16B



Fig. 17a



Fig. 17B

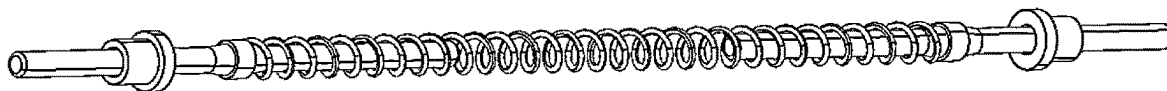


Fig. 17C

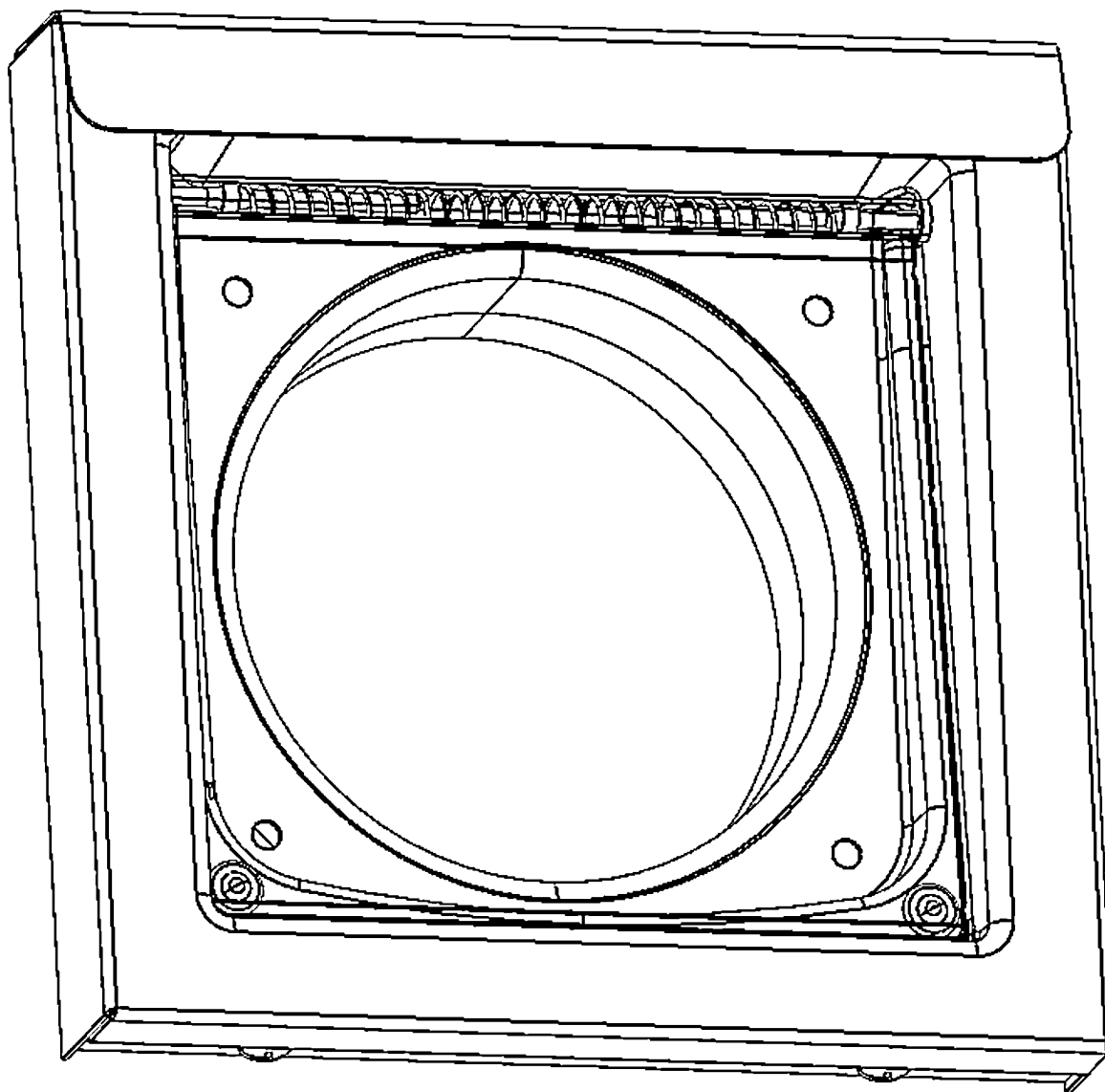


Fig. 17D

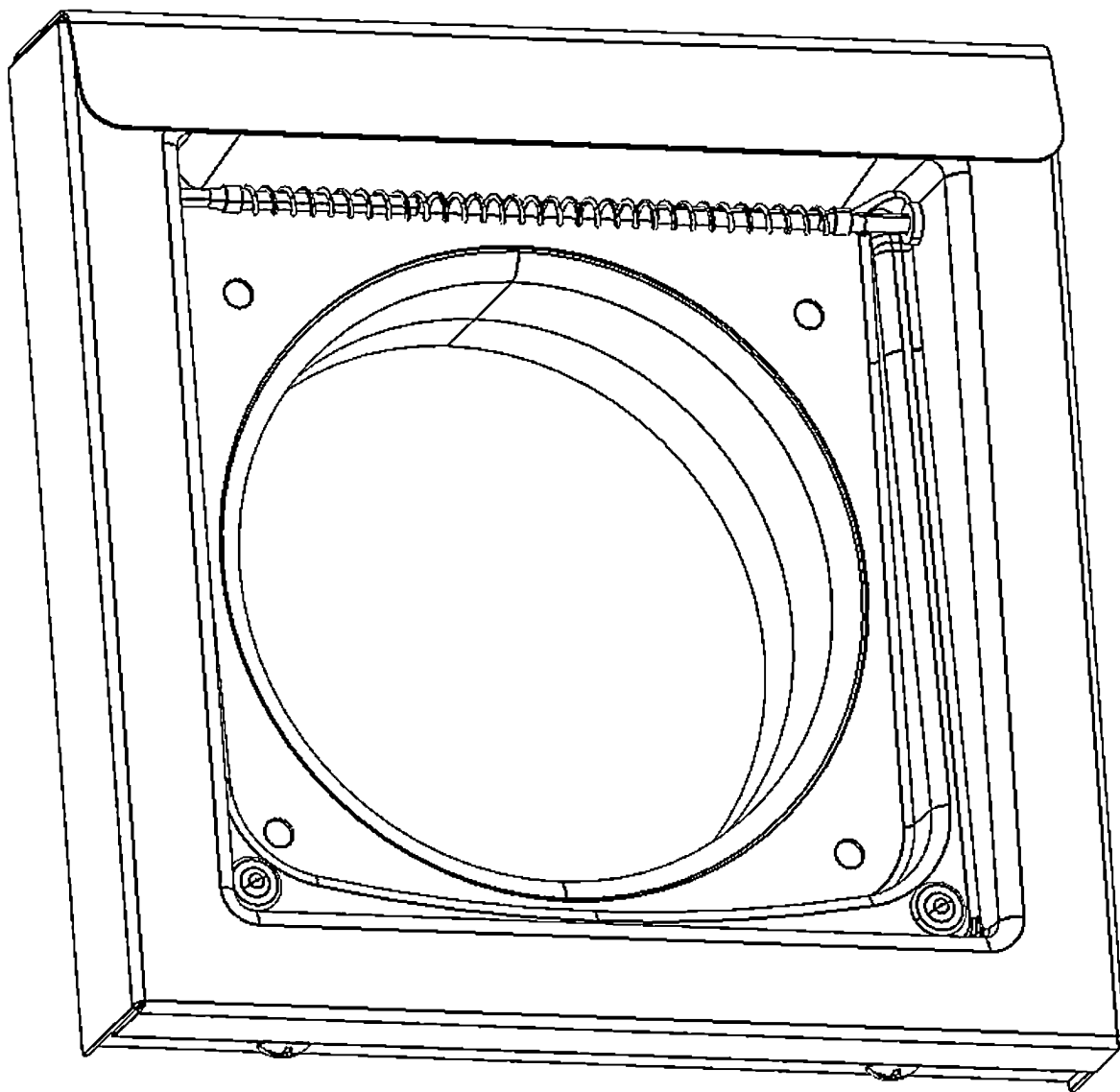


Fig. 17E

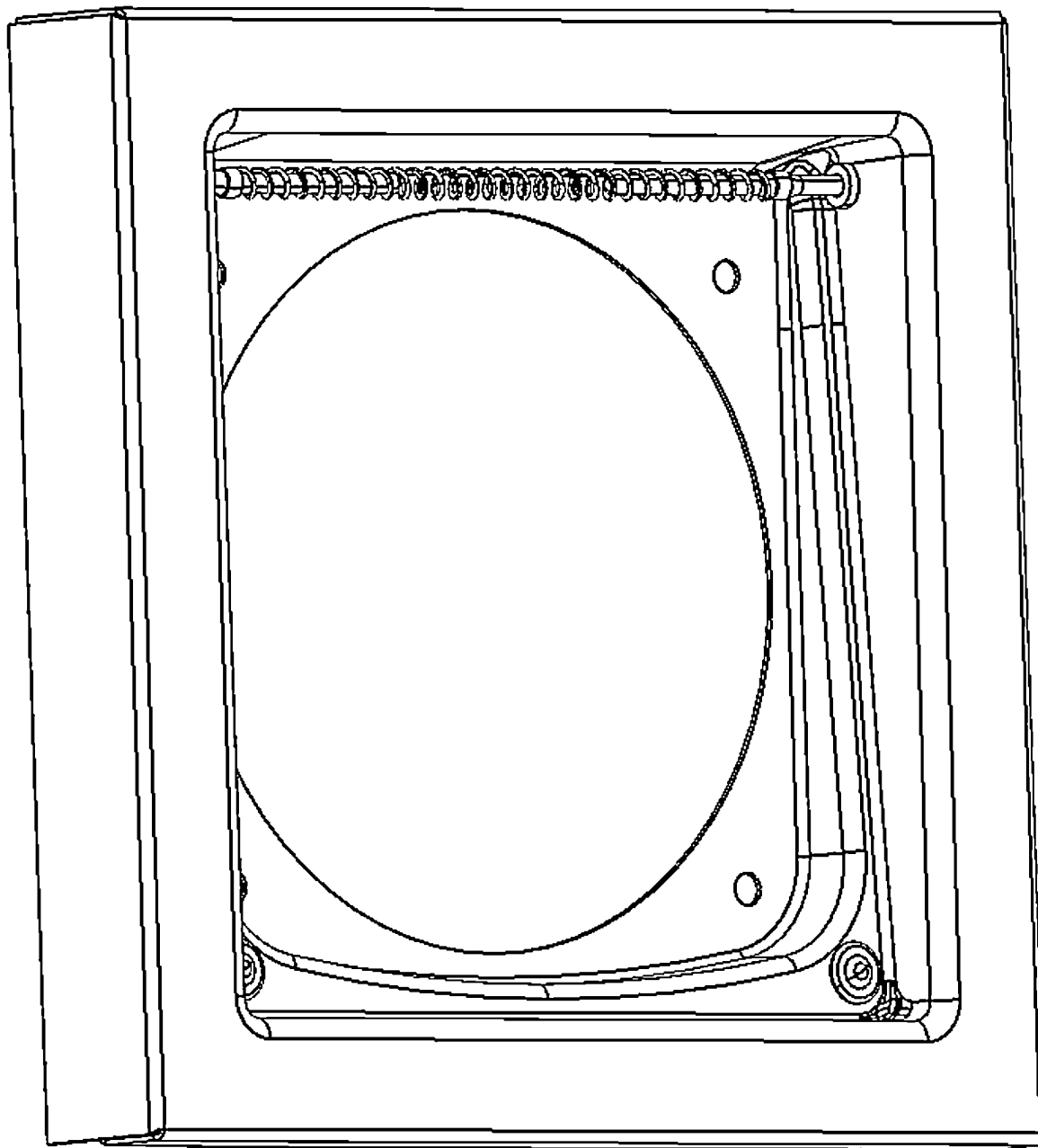


Fig. 17F

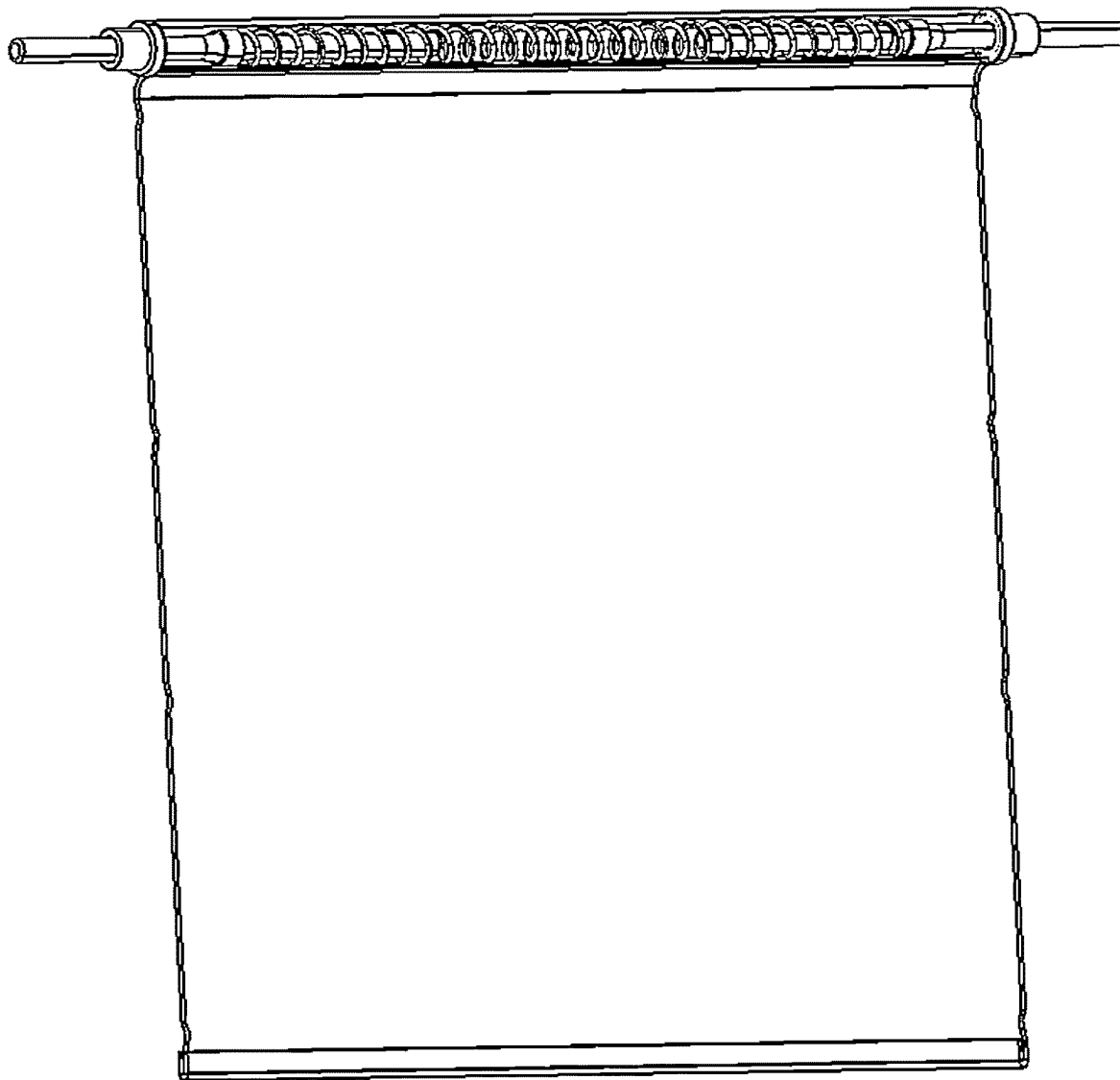


Fig. 17G

EXHAUST VENT DOORS

BACKGROUND

1. Field

[0001] The present disclosure relates to exhaust system exterior terminations, such as heating, ventilation, and air conditioning (HVAC) systems, e.g., the exit point for moving air from the dryer exhaust, kitchen, and bathroom.

2. Description of Related Art

[0002] The International Residential Code and International Mechanical Code require clothes exhausts to terminate on the outside of the building. Most common exterior terminations vent through the roof, side wall, and occasionally through the soffit. To meet other aspects of exhaust building code, terminations must have a backdraft damper and screens are disallowed.

[0003] Exhaust vents that meet building code are made of either plastic or metal. Plastic vents deteriorate at a rapid rate due to UV exposure and other weathering natural elements. Metal vents may be restrictive in their design with respect to airflow efficiency or their ability to process lint and other particulates effectively.

[0004] Also, finding a universally applicable exhaust side wall vent is challenging as siding materials vary. In both new construction and after-market scenarios, concealed duct work installation is inconsistent in how it routes to the facade of single-family and multi-family residential dwellings.

[0005] Such conventional methods and systems have been considered satisfactory for their intended purpose. However, there is still a need in the art for improved wall exhaust vents. The present disclosure provides a solution for this need.

SUMMARY

[0006] In accordance with at least one aspect of this disclosure, a wall exhaust vent (e.g., for a dryer or other HVAC system) can include a housing defining a vent opening, and one or more bumpers on or at least partially within the housing and configured contact with a door of the wall exhaust vent in a closed position. The one or more bumpers can include a bumper body, and a magnet disposed at least partially within the bumper body that is configured to magnetically interact with the door of the wall exhaust vent to bias the door to the closed position.

[0007] The vent can include the door. The door can be rotatably attached to the housing (e.g., via one or more hinges) and configured to at least partially cover the vent opening in the closed position.

[0008] In certain embodiments the bumper body can be made of an elastic material. For example, the bumper body can be made of silicone or rubber.

[0009] In certain embodiments, the magnet is a permanent magnet. The door can include a ferromagnetic material (e.g., iron, nickel, or cobalt), or any other suitable material. The magnet can be a rare earth magnet, for example (e.g., neodymium). Any suitable type of magnet is contemplated herein. In certain embodiments, the bumper body can include a flanged head portion and a hollow neck portion configured to at least partially retain the magnet.

[0010] The one or more bumpers can include two bumpers. Each bumper can be positioned to be proximate to a lower corner of the door in the closed position.

[0011] The one or more bumpers can be disposed partially within a door interface structure. The door interface structure can be at least partially within a recess of the housing. In certain embodiments, the door interface structure can be slanted relative to a plane of the housing such that the door can be additionally biased to contact the one or more bumpers and/or the door interface structure by the weight of the door.

[0012] In certain embodiments, the housing can include a first housing portion configured to mount to a wall, and a second housing portion configured to mount to the first housing portion. The door can be rotatably attached to the second housing portion. In certain embodiments, the housing can include a drip shield extending from the first housing portion.

[0013] In accordance with at least one aspect of this disclosure, a first housing portion for a wall exhaust vent can include a mounting plate comprising a vent opening, and a plurality of inner mounting holes defined through the mounting plate and located around the vent opening. The first housing portion can also include a plurality of outer mounting holes defined through the mounting plate and located further away from the vent opening than the inner mounting holes.

[0014] The first mounting portion can include a collar extending from the vent opening and configured to attach to exhaust ducting. The collar can include any suitable size and/or shape as appreciated by those having ordinary skill in the art in view of this disclosure.

[0015] The inner mounting holes can include four inner mounting holes and the outer mounting holes can include four outer mounting holes, for example. The inner mounting holes can form corners of a first square, and the outer mounting holes can form corners of a second square that is larger than the first square. Any other suitable number and/or positioning and/or pattern of inner/outer mounting holes is contemplated herein.

[0016] The first housing portion can include a mount tab extending from the mounting plate. The mounting tab can include one or more mount holes defined therethrough. The mount tab can be configured to be attached to a second housing portion of the wall exhaust vent to retain the second housing portion to the mounting plate.

[0017] The first housing portion can include a drip shield extending from the mounting plate (e.g., formed from a top of the mounting plate). The drip shield can be configured to cover the second housing portion of the wall exhaust vent and to at least partially retain the second housing portion to the first housing portion.

[0018] In accordance with at least one aspect of this disclosure, a wall exhaust vent kit can include a first housing portion configured to mount to a wall. The first housing portion can be any suitable first housing portion as disclosed herein (e.g., as described above). The mounting plate can be configured to abut a wall around a wall exhaust opening and can include a first vent opening, for example. The mounting plate can include a plurality of mounting holes defined through the mounting plate and located around the vent opening.

[0019] The kit can include a second housing portion configured to attach to the first housing portion. The second

housing can include a second vent opening defined through the second housing portion and configured to at least partially align with the first vent opening. The kit can include a door rotatably attached to or configured to be rotatably attached to the second housing portion to at least partially cover the second vent opening.

[0020] The second housing portion can include a mount recess configured to receive the mount tab of the first housing portion, e.g., to form a substantially flush surface when the mount tab is connected to the second housing portion. Any other suitable components are contemplated herein (e.g., one or more fasteners to secure the first housing portion to the second housing portion, and/or to secure the mounting plate to the wall).

[0021] These and other features of the embodiments of the subject disclosure will become more readily apparent to those skilled in the art from the following detailed description taken in conjunction with the drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0022] So that those skilled in the art to which the subject disclosure appertains will readily understand how to make and use the devices and methods of the subject disclosure without undue experimentation, embodiments thereof will be described in detail herein below with reference to certain figures, wherein:

[0023] FIG. 1 is a perspective view of an embodiment of a wall exhaust vent in accordance with this disclosure;

[0024] FIG. 2 is an exploded view of the embodiment of FIG. 1;

[0025] FIG. 3 is a top down plan view of the embodiment shown in FIG. 2;

[0026] FIG. 4 is a cross-sectional view of the embodiment of FIG. 1, sectioned through an embodiment of a bumper thereof;

[0027] FIG. 5 is a partial, zoomed view of the cross-section of FIG. 4;

[0028] FIG. 6 is a cross-sectional view of the embodiment of FIG. 1, sectioned through a middle thereof;

[0029] FIG. 7 is a perspective view of an embodiment of a bumper of the embodiment of FIG. 1;

[0030] FIG. 8 is a rear exploded view of the embodiment of FIG. 7;

[0031] FIG. 9 is a cross-sectional view of an embodiment of a bumper body of the embodiment of FIG. 7;

[0032] FIG. 10 is a perspective view of an embodiment of a first housing portion of the embodiment of FIG. 1;

[0033] FIG. 11 is a perspective view of the embodiment of FIG. 10;

[0034] FIG. 12 is a front elevation view of the embodiment of FIG. 10;

[0035] FIG. 13 is a perspective view of an embodiment of a second housing portion of the embodiment of FIG. 1;

[0036] FIG. 14 is a front elevation view of the embodiment of FIG. 13;

[0037] FIG. 15 is a rear perspective view of the embodiment of FIG. 13;

[0038] FIG. 16A is a plan view of another embodiment of a bumper in accordance with this disclosure;

[0039] FIG. 16B is a cross-sectional view of the embodiment of FIG. 16A;

[0040] FIG. 17A is a view of an embodiment of a plurality of hinge pins in accordance with this disclosure;

[0041] FIG. 17B shows an embodiment of a spring disposed between the hinge pins of FIG. 17A;

[0042] FIG. 17C shows a grommet disposed on each hinge pin of FIG. 17B;

[0043] FIGS. 17D, 17E, and 17F show the embodiment of FIG. 17C installed on housing for illustrative purposes; and

[0044] FIG. 17G show the embodiment of FIG. 17C embedded within an embodiment of a door in accordance with this disclosure.

DETAILED DESCRIPTION

[0045] Reference will now be made to the drawings wherein like reference numerals identify similar structural features or aspects of the subject disclosure. For purposes of explanation and illustration, and not limitation, an illustrative view of an embodiment of a wall exhaust vent in accordance with the disclosure is shown in FIG. 1 and is designated generally by reference character **100**. Other embodiments and/or aspects of this disclosure are shown in FIGS. 2-17G.

[0046] In accordance with at least one aspect of this disclosure, referring generally to FIGS. 1-6 a wall exhaust vent **100** (e.g., for a dryer or other HVAC system) can include a housing **101**. The housing can be a singular piece or include any suitable number of portions (e.g., a first housing portion **101a** and a second housing portion **101b** described in more detail below). The housing can define a vent opening **103** (e.g., defined by first vent opening **103a** and second vent opening **103b** as shown in FIG. 2).

[0047] Referring additionally to FIGS. 7-9, the wall vent **100** can include one or more bumpers **105** on or at least partially within the housing **101** and configured contact a door **107** of the wall exhaust vent **100** in a closed position (e.g., as shown in FIGS. 4-6). The one or more bumpers **105** can include a bumper body **105a**, and a magnet **105b** disposed at least partially within the bumper body **105a** that is configured to magnetically interact with the door **107** of the wall exhaust vent **100** to bias the door **107** to the closed position.

[0048] As shown, the vent **100** can include the door **107** in a kit therewith and/or installed thereon. The door **107** can be rotatably attached to the housing **101** (e.g., via one or more hinge bars connected to one or more hinge mounts **109a**, **109b** disposed in the second housing portion **101b**) and configured to at least partially cover the vent opening (e.g., second opening **103b**) in the closed position (e.g., as shown in FIGS. 1 and 4-6).

[0049] Referring additionally to FIGS. 17A-17G, an embodiment of a hinge connection assembly is shown for attaching a door **107** to the housing **101**. FIG. 17A shows an embodiment of a plurality of hinge pins. FIG. 17B shows an embodiment of a spring disposed between the hinge pins. FIG. 17C shows a grommet disposed on each hinge pin. FIGS. 17D, 17E, and 17F show the assembly installed on housing for illustrative purposes. FIG. 17G shows the embodiment of an assembly embedded within an embodiment of a door in accordance with this disclosure. As is appreciated by those having ordinary skill in the art with this disclosure, the hinge pins can be compressed together to allow insertion into respective holes in the housing **101** and are biased outwardly by the spring to retain the hinge pins within the hole. The grommets can be attached to the door

107 (e.g., a channel defined by the door) aid in guiding the hinge pins, for example. Any other suitable assembly is contemplated herein.

[0050] In certain embodiments the bumper body 105a can be made of an elastic material (e.g., to dampen sound of the door 107 colliding with the bumper 105 when closing). For example, the bumper body 105a can be made of silicone or rubber. Any other suitable material (e.g., any soft material) is contemplated herein.

[0051] In certain embodiments, the magnet 105b can be a permanent magnet. The door 107 can include (e.g., be formed at least partially by and/or have attached to) a ferromagnetic material (e.g., iron, nickel, or cobalt) or any other suitable material configured to be attracted to magnet 105b. In certain embodiments, the door 107 and/or any other suitable component can be made of non-metal (e.g., plastic), and can include a ferromagnetic material or magnet attached thereto to attract to the magnet 105b.

[0052] The magnet 105b can be a rare earth magnet, for example (e.g., neodymium). Any suitable type of magnet is contemplated herein. The magnet 105b size and/or strength can be selected as a function of the magnetic properties of the door 107 and/or one or more properties of an exhaust flow of the system connected to the vent 100 to provide a desired biasing force to the door 107 while also allowing the door 107 to open with the exhaust flow.

[0053] In certain embodiments, the bumper body 105a can include a flanged head portion 105c (e.g., with or without a bump as shown) and a hollow neck portion 105d configured to at least partially retain the magnet 105b. The flanged head portion can be shaped to have a peak as shown, and/or can include any other suitable shape. The flanged head portion 105c can allow insertion of the neck portion 105d into a bumper hole in the second housing portion 101b as shown and provide a backstop. The magnet 105b can include an outside diameter that is larger than the inside diameter of the hollow neck portion 105d such that the magnet 105b stretches the bumper slightly outward. For example, inserting the magnet into the bumper can force the outside diameter of the bumper to be slightly enlarged, achieving a strong friction fit when inserted into the holes in the housing.

[0054] Referring to FIGS. 16A and 16B, in certain embodiments, a bumper 1605 can be similar to bumper 105 and have a ramped section 1605a (e.g., for aiding insertion) and/or a groove 1605b (e.g., for snapping in and retaining to the housing). Any other suitable dimensions, size, and/or shape for the bumper and/or the magnet is contemplated herein.

[0055] As shown, the one or more bumpers 105 can include two bumpers 105. Each bumper 105 can be positioned to be proximate (e.g., within one bumper width of the edge) to a lower corner of the door 107 in the closed position as shown.

[0056] In certain embodiments, the one or more bumpers 105 can be disposed partially within a door interface structure 111. The door interface structure 111 can be at least partially within a recess 113 of the housing 101 (e.g., a recess 113 defined in second housing 101b). In certain embodiments, the door interface structure 111 can be slanted, e.g., as shown) relative to a plane of the housing 101 (e.g., relative to a wall plane) such that the door 107 can be additionally biased to contact the one or more bumpers 105 and/or the door interface structure 111 by the weight of the door 107. As shown, the neck portion 105d of the one or

more bumpers 105 can be inserted into a hole of in the door interface structure 111 and the flanged head portion 105c can contact the outer surface of the door interface structure 111. The door interface structure 111 can include an angled lower lip to weep out moisture and condensed liquid.

[0057] In certain embodiments, referring additionally to FIGS. 10-15, the housing 100 can include a first housing portion 101a configured to mount to a wall, e.g., over an exhaust opening in the wall (e.g., a dryer exhaust opening to connect with dryer ducting). The housing 100 can include a second housing portion 101b configured to mount to the first housing portion 101a. The door 107 can be rotatably attached to the second housing portion 101b. In certain embodiments, the housing 101 can include a drip shield 115 extending from the first housing portion 101a.

[0058] In certain embodiments, the first housing portion 101a can include a mounting plate 119 comprising a first vent opening 103a. The first housing portion 101a can also include a plurality of inner mounting holes 121 defined through the mounting plate 119 and located around the first vent opening 103a. The first housing portion 101a can also include a plurality of outer mounting holes 123 defined through the mounting plate 119 and located further away from the vent opening 103a than the inner mounting holes 121.

[0059] The first mounting portion 101a can include a collar 125 extending from the first vent opening 103a and configured to attach to exhaust ducting (e.g., of a dryer). The collar 125 can include any suitable size and/or shape as appreciated by those having ordinary skill in the art in view of this disclosure. In certain embodiments, there may be no collar.

[0060] The inner mounting holes 121 can include four inner mounting holes 121 and the outer mounting holes 123 can include four outer mounting holes 123, for example. As shown, in certain embodiments, the inner mounting holes 121 can form corners of a first square (e.g., or any other suitable four corner shape), and the outer mounting holes 123 can form corners of a second square (e.g., or any other suitable four corner shape) that is larger than the first square (e.g., or any other suitable shape). Any other suitable number and/or positioning and/or pattern of inner/outer mounting holes 121, 123 is contemplated herein. The preformed mounting holes 121, 123 can allow mounting to walls having various (normal or larger) wall openings sizes without a user having to form their own holes and damaging a coating or material of the mounting plate 119.

[0061] The first housing portion 101a can include a mount tab 127 extending from the mounting plate 119. The mounting tab 127 can include one or more mount holes 129 defined therethrough. The mount tab 127 can be configured to be attached to a second housing portion 101b of the wall exhaust vent 100 to retain the second housing portion 101b to the mounting plate 119.

[0062] As disclosed above, the first housing portion 101a can include a drip shield 115 extending from the mounting plate 119 (e.g., formed from a top of the mounting plate). As shown in FIGS. 1, 4, and 6, for example, the drip shield 115 can be configured to cover the second housing portion 101b of the wall exhaust vent 100. For example, the drip shield 115 can at least partially retain the second housing portion 101b to the first housing portion 101a, e.g., without requiring one or more fasteners between a top portion of the second housing 101b and the first housing 101a.

[0063] In accordance with at least one aspect of this disclosure, a wall exhaust vent kit can include a first housing portion **101a** configured to mount to a wall. The first housing portion **101a** can be any suitable first housing portion **101a** as disclosed herein (e.g., as described above). The mounting plate **119** can be configured to abut a wall around a wall exhaust opening (e.g., an opening in a wall where exhaust ducting is located) and can include a first vent opening **103a**, for example. The mounting plate **119** can include a plurality of mounting holes, e.g., **123**, **125** defined through the mounting plate **119** and located around the vent opening **103a**.

[0064] The kit can include a second housing portion **101b** configured to attach to the first housing portion **101b**. The second housing portion **101b** can include any suitable portion of housing **100**, e.g., as shown and described above, and/or any other suitable features as appreciated by those having ordinary skill in the art in view of this disclosure. As disclosed above, the second housing portion **101b** can include a second vent opening **103b** defined through the second housing portion **101b** and configured to at least partially align with the first vent opening **103a**, for example. The kit can include a door **107** rotatably attached to or configured to be rotatably attached to the second housing portion **101b** to at least partially cover the second vent opening **103b** (e.g., and thus the first vent opening **103a**).

[0065] Referring to FIGS. **5** and **15**, the second housing portion **101b** can include a mount recess **129** configured to receive the mount tab **127** of the first housing portion **101a**, e.g., to form a substantially flush surface when the mount tab **127** is connected to the second housing portion **101b** (e.g., such that one or more fasteners do not protrude past a bottom surface of the second housing portion **101b** as shown).

[0066] The second housing portion **101b** can include one or more inner mount holes **133** that align with the inner mounting holes **121** of the mounting plate **119**. The inner mount holes **133** can allow the second housing portion to be directly connected to a wall using a wall fastener (e.g., a concrete screw), e.g., where the wall opening is not so large as to reach the inner mount holes **133**. In certain embodiments, the inner mount holes **133** can allow connection between the first housing portion **101a** and the second housing portion **101b**, e.g., with a short screw where the wall opening covers the location of the inner mounting holes **121**.

[0067] The kit can include any other suitable components. For example, the kit can include one or more fasteners to secure the first housing portion to the second housing portion, and/or one or more fasteners to secure the mounting plate to the wall.

[0068] Certain embodiments include a single-louvered damper exterior termination exhaust vent for uses commonly associated with clothes exhausts or the like. Embodiments and/or one or more portions thereof can be manufactured with 22-gauge metal through a deep drawn process or any other suitable process. Certain embodiments can include an angled damper door and integrated magnets to ensure the vent remains closed when exposed to pressure variations such as wind gusts or when the exhaust system is not in use.

[0069] In certain embodiments, the damper door can operate on a single hinge allowing easy duct cleaning accessibility. Embodiments can include an integrated drip shield above the damper door which can cover the hinge pin connection for added weather protection. Embodiments of a housing can include two parts that mechanically attach at the

base with two screws and friction fits at the sides and top of the housings, for example. In certain embodiments, upon final installation on a structure facade, four additional screws can be used to solidify the connection between the front, e.g., first housing portion and back, e.g., second housing portion. Further, the front housing can be removed from the back housing portion to expose a secondary installation option with pre-drilled screw holes on the back plate located further away from the primary pre-drilled screw holes available on the front housing. In certain embodiments, the entire assembly can be finished with a powder-coated paint for additional corrosion resistance and can include one or more bumpers to aid in minimizing sound from the damper door resting within the recessed frame. Embodiments can be utilized for vertical wall installations on all facade types, for example.

[0070] As disclosed above, a drip edge can aid in minimizing the threat of water intrusion due to driven rain in windy environments, the damper door can be recessed into the frame's body to minimize any flapping or metal clanking sounds from updrafts or wind gusts, the damper can be angled and allows gravity to close the single louvered vent within the lower lip of the frame, and integrated magnets and sound dampening rubber bumpers can aid in securing a closed vent quietly when the exhaust system is not in use. Any other suitable advantages to one or more embodiments of this disclosure are contemplated herein.

[0071] Those having ordinary skill in the art understand that any numerical values disclosed herein can be exact values or can be values within a range. Further, any terms of approximation (e.g., "about", "approximately", "around") used in this disclosure can mean the stated value within a range. For example, in certain embodiments, the range can be within (plus or minus) 20%, or within 10%, or within 5%, or within 2%, or within any other suitable percentage or number as appreciated by those having ordinary skill in the art (e.g., for known tolerance limits or error ranges).

[0072] Any suitable combination(s) of any disclosed embodiments and/or any suitable portion(s) thereof are contemplated herein as appreciated by those having ordinary skill in the art.

[0073] The embodiments of the present disclosure, as described above and shown in the drawings, provide for improvement in the art to which they pertain. While the subject disclosure includes reference to certain embodiments, those skilled in the art will readily appreciate that changes and/or modifications may be made thereto without departing from the spirit and scope of the subject disclosure.

1-20. (canceled)

21. A wall exhaust vent, comprising:

- a housing defining a vent opening, the housing configured to mount to a wall, the housing including:
 - a mounting portion configured to abut a wall such that the vent opening fits around a wall exhaust opening; and
 - a plurality of mounting holes defined through the mounting portion and located around the vent opening;
- a door rotatably attached to the housing and configured to at least partially cover the vent opening in a closed position; and
- a drip shield extending obliquely from the mounting portion configured to cover the door and the vent opening.

22. The vent of claim **21**, wherein the housing comprises a first housing portion and a second housing portion, the first and second housing portions separable from one another, wherein the first housing portion defines the mounting portion, and wherein the second housing portion is configured to mount to the first housing portion.

23. The vent of claim **22**, wherein the door is rotatably attached to the second housing portion.

24. The vent of claim **22**, wherein the drip shield extends obliquely from the first housing portion and terminates above the vent opening.

25. The vent of claim **24**, wherein the drip shield is configured to cover the second housing portion of the wall exhaust vent and to at least partially retain the second housing portion to the first housing portion with the first second housing portion without fasteners.

26. The vent of claim **24**, further comprising a mount tab extending from the mounting portion at an opposite end of the mounting portion from the drip shield, the mounting tab comprising one or more mount holes defined therethrough, wherein the mount tab is configured to attach to the second housing portion of the wall exhaust vent to retain the second housing portion to the mounting pointing portion.

27. The vent of claim **21**, further comprising, one or more bumpers on or at least partially within the housing and configured contact the door of the wall exhaust vent in the closed position, the one or more bumpers comprising:

a bumper body; and

a magnet disposed at least partially within the bumper body that is configured to magnetically interact with the door of the wall exhaust vent to bias the door to the closed position.

28. The vent of claim **27**, wherein the bumper body is made of an elastic material.

29. The vent of claim **27**, wherein the magnet is a permanent magnet, and wherein the door includes a ferromagnetic material.

30. The vent of claim **27**, wherein the magnet is a rare earth magnet.

31. The vent of claim **27**, wherein the bumper body includes a flanged head portion and a hollow neck portion configured to at least partially retain the magnet.

32. The vent of claim **27**, wherein the one or more bumpers comprises two bumpers, each bumper positioned to be proximate to a lower corner of the door in the closed position.

33. The vent of claim **27**, wherein the one or more bumpers are disposed partially within a door interface structure which is at least partially within a recess of the housing.

34. The vent of claim **33**, wherein the door interface structure is slanted relative to a plane of the housing such that the door is additionally biased to contact the one or more bumpers and/or the door interface structure by a weight of the door.

35. The vent of claim **21**, wherein the plurality of mounting holes defined through the mounting portion includes:

a plurality of inner mounting holes defined through the mounting portion around the vent opening; and

a plurality of outer mounting holes defined through the mounting portion and located further away from the vent opening than the inner mounting holes.

36. The vent of claim **35**, wherein the inner mounting holes include four inner mounting holes, wherein the outer mounting holes include four outer mounting holes, wherein the inner mounting holes form corners of a first square, and the outer mounting holes form corners of a second square that is larger than the first square.

37. The vent of claim **21**, further comprising a collar extending from the vent opening and configured to connect to exhaust ducting.

38. A wall exhaust vent kit, comprising:

a housing configured to mount to a wall, comprising:

a first housing portion comprising a vent opening configured to interface with exhaust ducting and a plurality of mounting holes defined therethrough and located around the vent opening;

a second housing portion including a second vent at least partially aligned with the first vent opening; and

a drip shield extending from the housing and integral with the housing; and

a door rotatably attached to or configured to be rotatably attached to the second housing portion to at least partially cover the second vent opening.

39. The kit of claim **38**, wherein the first housing portion and the second housing portion are separable from one another, and wherein the drip shield extends obliquely from the first housing portion.

40. The kit of claim **38**, wherein the first housing portion includes a plurality of mounting apertures for mounting the housing to a wall, wherein the plurality of mounting apertures includes:

a plurality of inner mounting holes defined through the first housing portion and located around the vent opening; and

a plurality of outer mounting holes defined through the first housing portion and located further away from the vent opening than the inner mounting holes.

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