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(54) **Kitchen extractor hood**

(57) The invention relates to an extractor hood for kitchens characterised in that it can be installed on a cooker hob (1) on the surface (2) of the hob support unit. Said hood includes a flame shield element (3), containing a filter support (4), in which at least one anti-grease filter is contained. Said extractor hood can be installed on cooker hobs positioned against a wall, as well as on so-called island units. According to the invention, a glass panel (5) rises perpendicularly from said element and is conceived to conduct the fumes and vapours deriving from the food on the cooker hob into the element, and then into a specific discharge duct where they are drawn in by a specific extractor means (8).

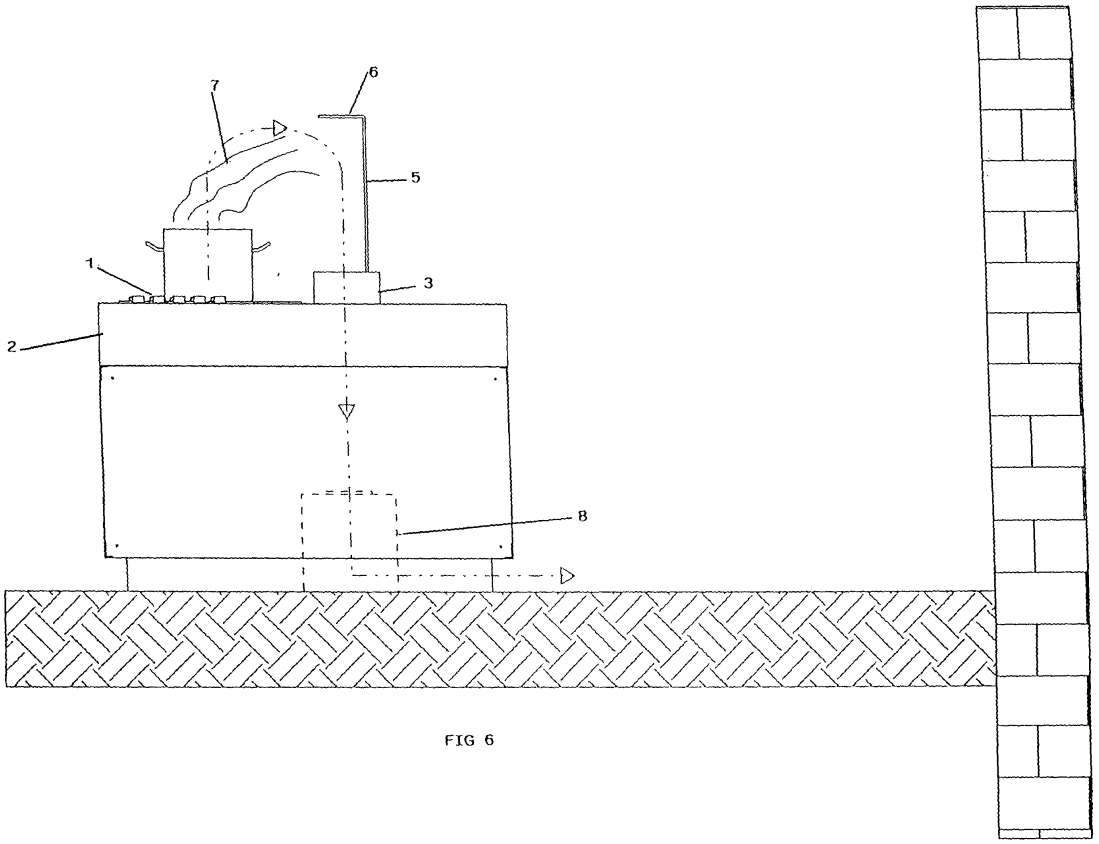

FIG 6

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Description

[0001] The present finding relates to a kitchen extractor hood.

[0002] The term extractor hood is a common expression understood as a device able to draw in fumes, vapours and other gaseous substances generated in closed environments.

[0003] Very often these hoods are used in combination with kitchen cooking hobs, being installed above and separately from said hob. Practically speaking, this involves providing a structure above the cooker presenting a perimeter substantially comparable to the cooker area, and containing internal filters. In addition the hood must be equipped with electrically operated extractor devices, to convey the fumes and vapours initially towards the hood, and then transfer them to the exterior through appropriate ducts.

[0004] However, in certain environments it is difficult to install said hoods, and the user is forced to do without the possibility of efficiently eliminating fumes and vapours generated during cooking activities. This problem is particularly common on "island" model kitchen units, located in the centre of the room, that therefore create problems for installing the extractor ducts for fumes and vapours, unless specifically foreseen during the construction of the kitchen.

[0005] The aim of the present invention is to provide a hood that can be easily installed in any type of kitchen without the problems involved with hoods of prior art.

[0006] This is achieved according to the present invention, with a hood that can be installed in close proximity to the cooking hob on the work surface of the hob unit. Said hood includes a flame shield element containing a filter support with at least one anti-grease filter. This shield element is mounted with a glass panel, set in a perpendicular position, conceived to channel the vapour fumes from the cooker into the shield element. The surface of said shield element in contact with the cooker hob is extended to connect with a duct located within the cooker hob unit, and exhaust means are contained inside said duct to channel the fumes and vapours away from the hob unit.

[0007] These and other characteristics of the present invention will be described in detail with reference to certain specific embodiments, provided as examples, but not to be considered limiting, with the aid of the appended drawings, wherein:

Figures 1 and 2 (Plates I-III) show an axonometric view of a cooker hob including the hood according to the invention, in two different operating conditions;

Figures 3-5 (Plates III-V) show a side view of the cooker hob in three different operating conditions;

[0008] Lastly, figures 6-8 (Plates VI-VIII) show a schematic view of the operating function of a cooker hob on which the device according to the invention has been installed, demonstrating three different fume and vapour evacuation methods.

[0009] As shown in figures 1 and 2, the extractor hood according to the invention is conceived for installation in proximity to a cooker hob 1, mounted on a unit work surface 2, which can be positioned against a wall or which can be an island type unit. As can be seen in these figures, the hood presents a flame shield element 3 containing an internal filter support 4, at whose interior at least one anti-grease filter is present. A glass panel extends vertically from the shield element, and advantageously terminates with a shelf 6 at the top, facing towards the cooker hob.

[0010] The surface of the shield element 3 in contact with the cooker hob is also in contact with a duct (not visible in the figures) mounted inside the support unit of the cooker hob to channel the fumes and vapours; a means for fume extraction is also installed together with the duct.

[0011] A variety of different systems could be used to obtain this result.

[0012] In fact, figure 6 shows an embodiment element of the invention where, as well as the anti-grease filter, active carbon filters are also foreseen inside the shield 3. Fumes and vapours are taken in by an extractor means 8 and then sent back into the same room where the cooker unit is installed. This figure also shows how the shield element acts as a flame guard to prevent any flames from the cooker hob from being drawn into the shield element.

[0013] Figure 7 shows a variant of the device according to the invention, wherein a duct 9 is installed, for example, under the flooring of the room where the cooker unit is located, along which fumes and vapours can be evacuated to the exterior. In any case, the extractor means 8 in this embodiment is located inside the same unit that supports the cooker hob.

[0014] On the other hand, in the embodiment shown in figure 8, the extractor means 8 can be mounted on the external wall of the room where the cooker hob is installed. In any case, as far as the main principle is concerned, it is clear that the second and third embodiments previously described provide the most efficient results since they convey the fumes and vapours outside the room where the cooker is installed, even though there is an added constructive complication due to the need to modify certain aspects of the room.

[0015] Figures 3 to 5 show that the glass panel 5 can be equipped with a device to raise and lower it according to user requirements, and to insert it in the element so that it is completely hidden when not in use.

[0016] The descriptions above clearly show how, in its various embodiments, the device according to the invention provides an extractor hood that can be mounted on a work surface in proximity to a cooker hob without the need for installing specific equipment above said work surface, as occurs with similar appliances of prior art, currently in use.

Claims

1. KITCHEN COOKER EXTRACTOR HOOD **characterised in that** it can be installed on cooker hob (1) on the surface (2) of the hob support unit, and comprises a flame shield element (3), containing a filter support (4), with at least one anti-grease filter, and a glass panel (5) rising perpendicular from said element conceived to conduct the fumes and vapours (7) from the cooker hob into the element, it being foreseen that the surface of said element in contact with the surface of the cooker unit is also in contact with a duct installed inside the cooker hob support unit, wherein an extractor means (8) is installed to conduct the fumes and vapours away from said cooker hob support unit.

2. EXTRACTOR HOOD, according to claim (1) **characterised in that** the glass panel (5) terminates with a shelf (6) facing in the direction of the cooker hob.

3. EXTRACTOR HOOD, according to claims (1) or (2) **characterised in that** the glass panel (5) is equipped with means that permit it to be raised or lowered according to user's needs.

4. EXTRACTOR HOOD, according to one or more of the previous claims **characterised in that** it foresees the installation of the extractor means (8) under the cooker hob located inside the cooker hob support structure.

5. EXTRACTOR HOOD, according to claim (4) **characterised in that** the extractor means (8) is located outside the room in which the cooker hob is installed, and is connected to said extractor hood by means of a specific duct (9).

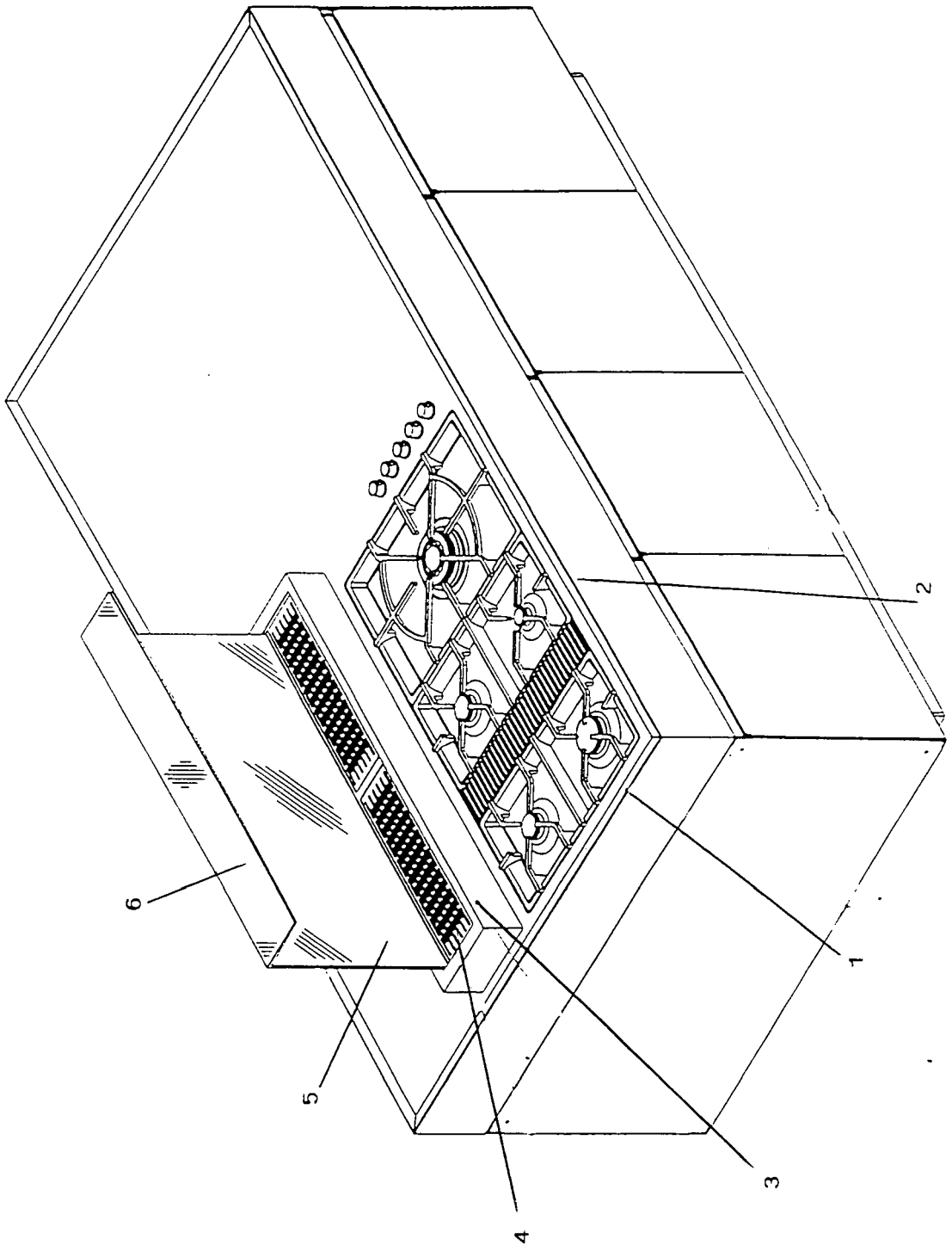

FIG 1

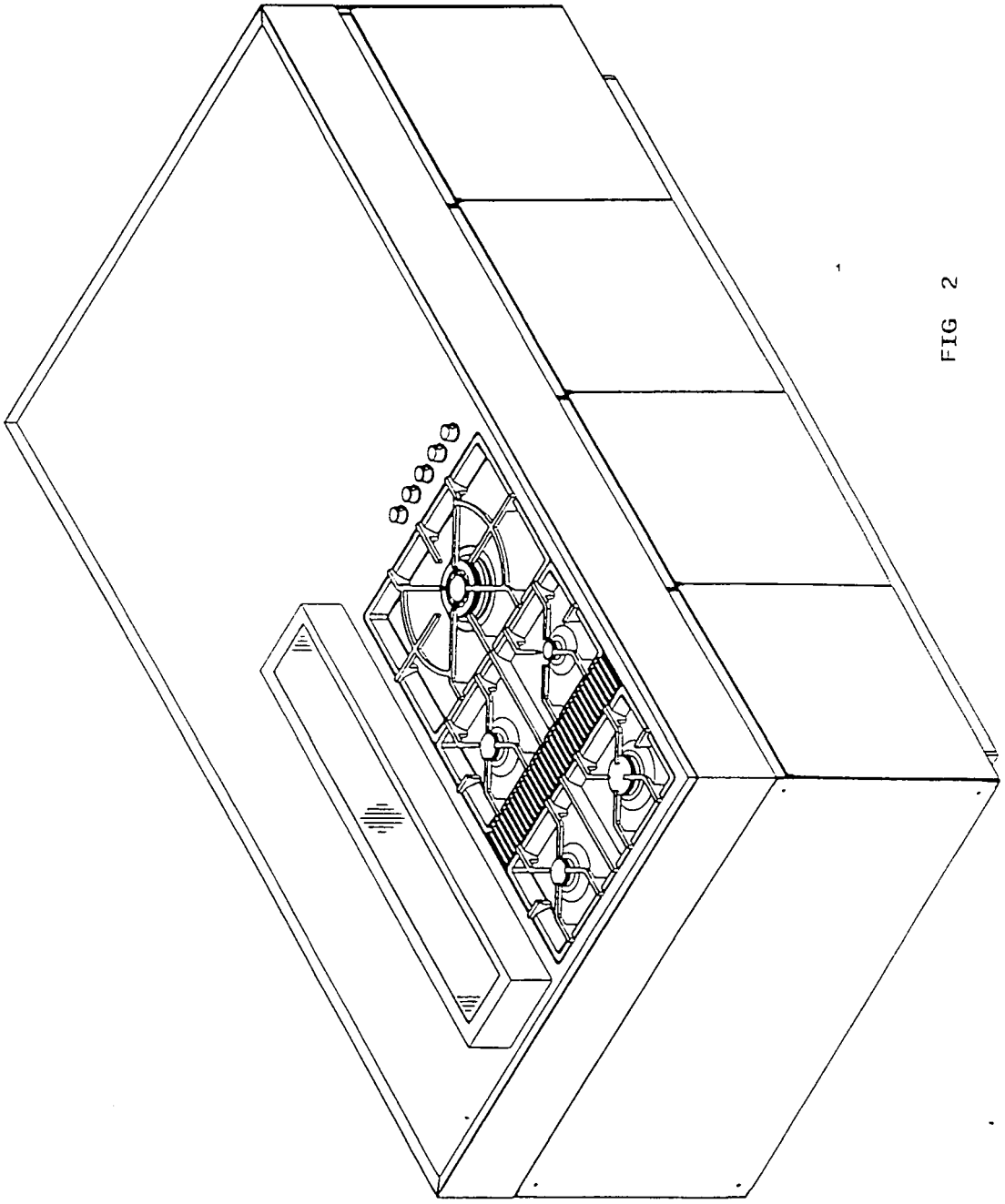

FIG 2

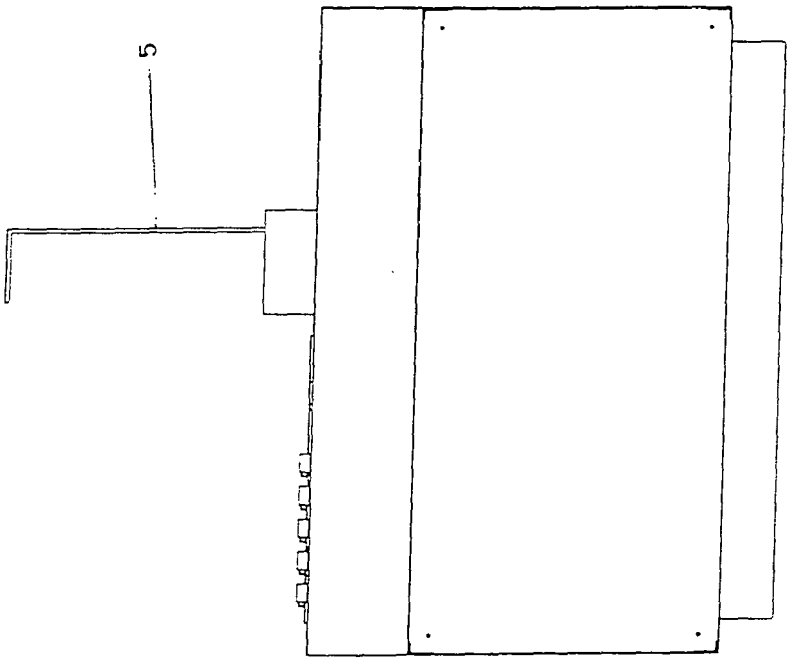

FIG 3

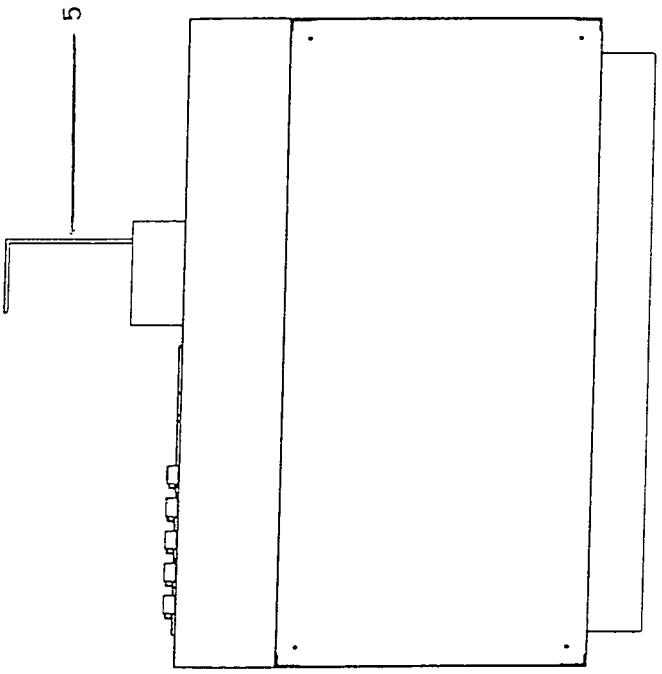

FIG 4

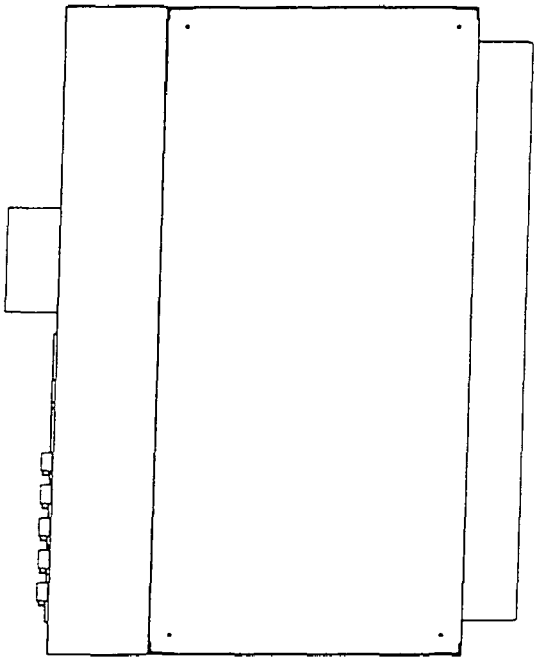

FIG 5

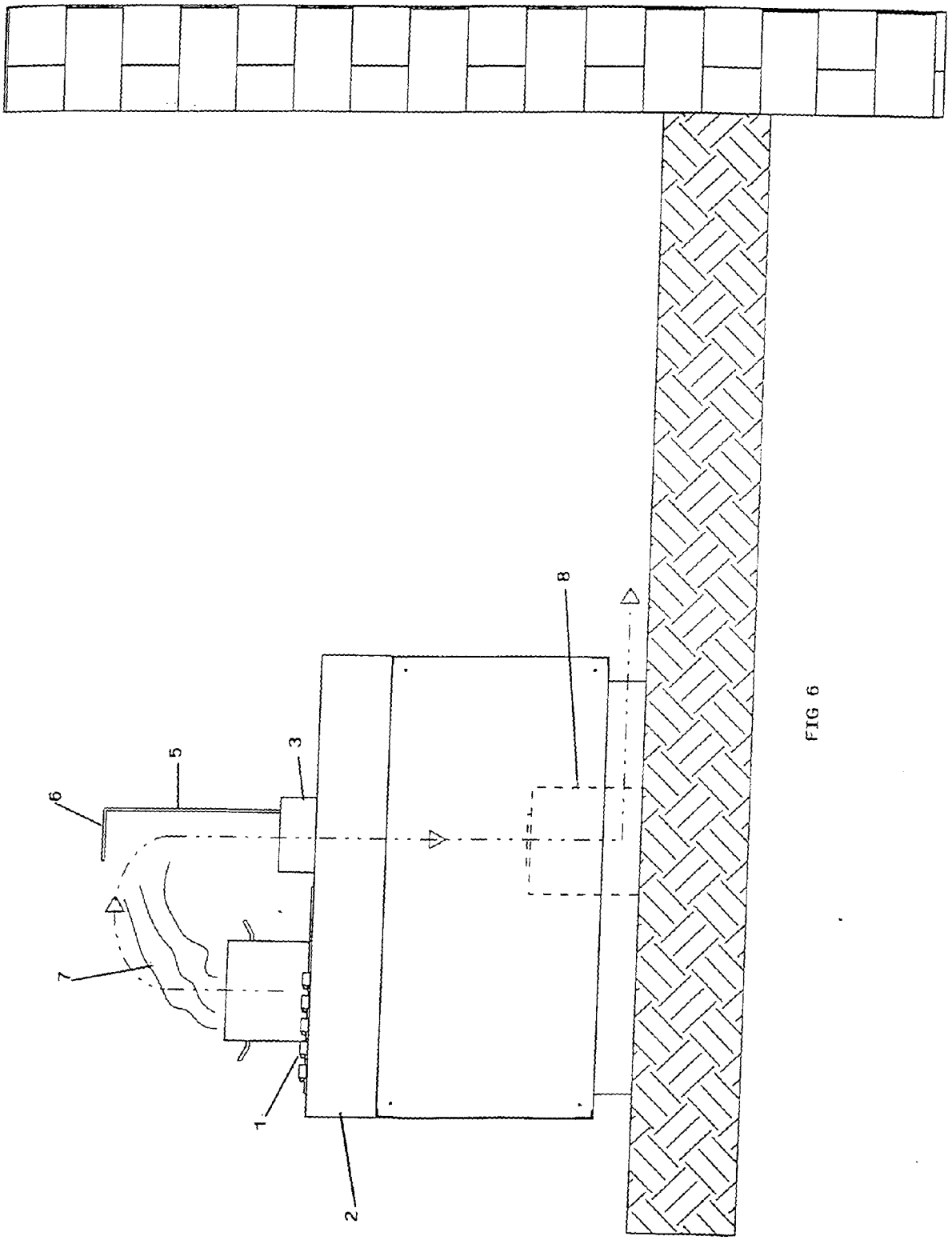

FIG 6

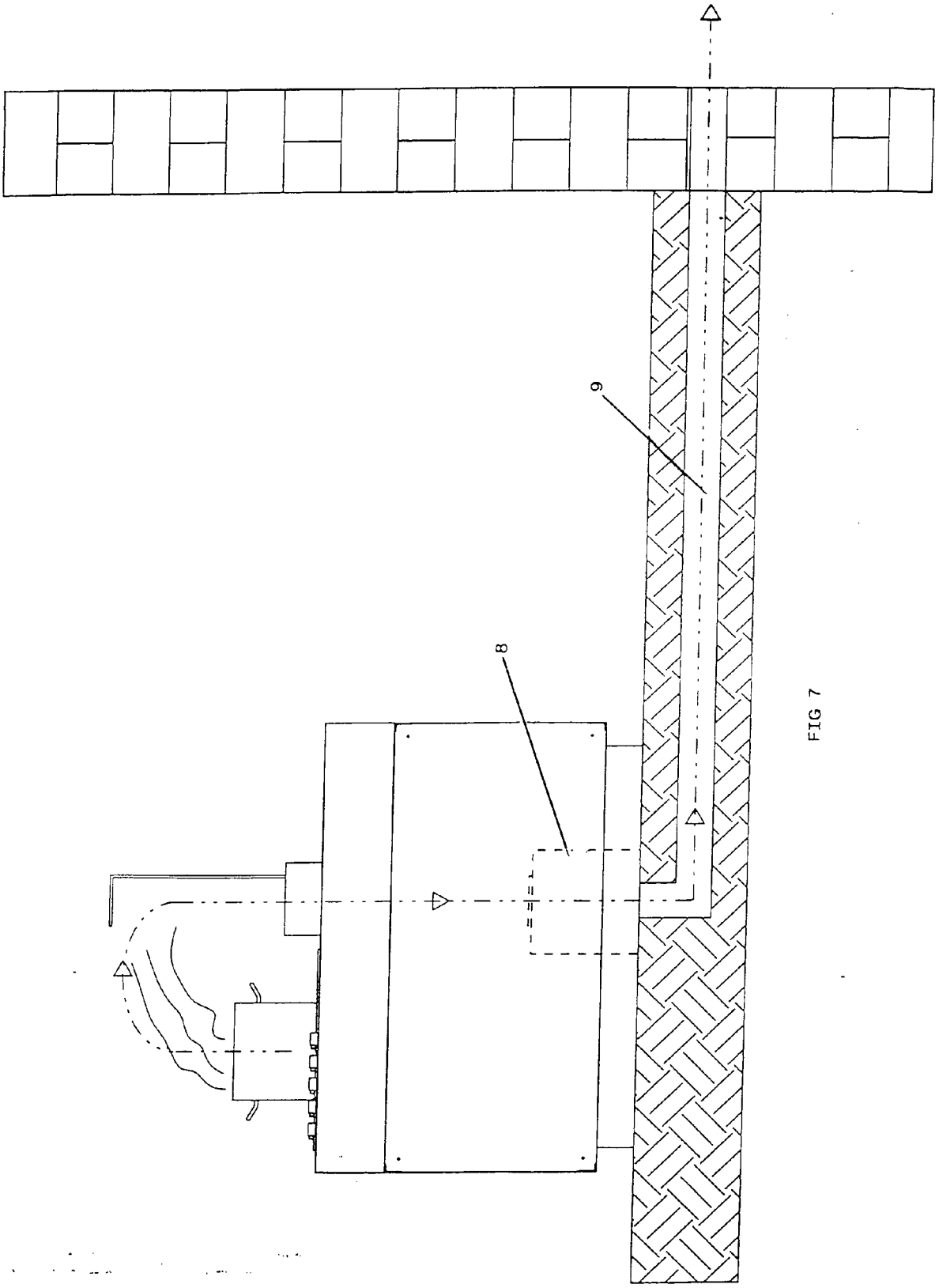

FIG 7

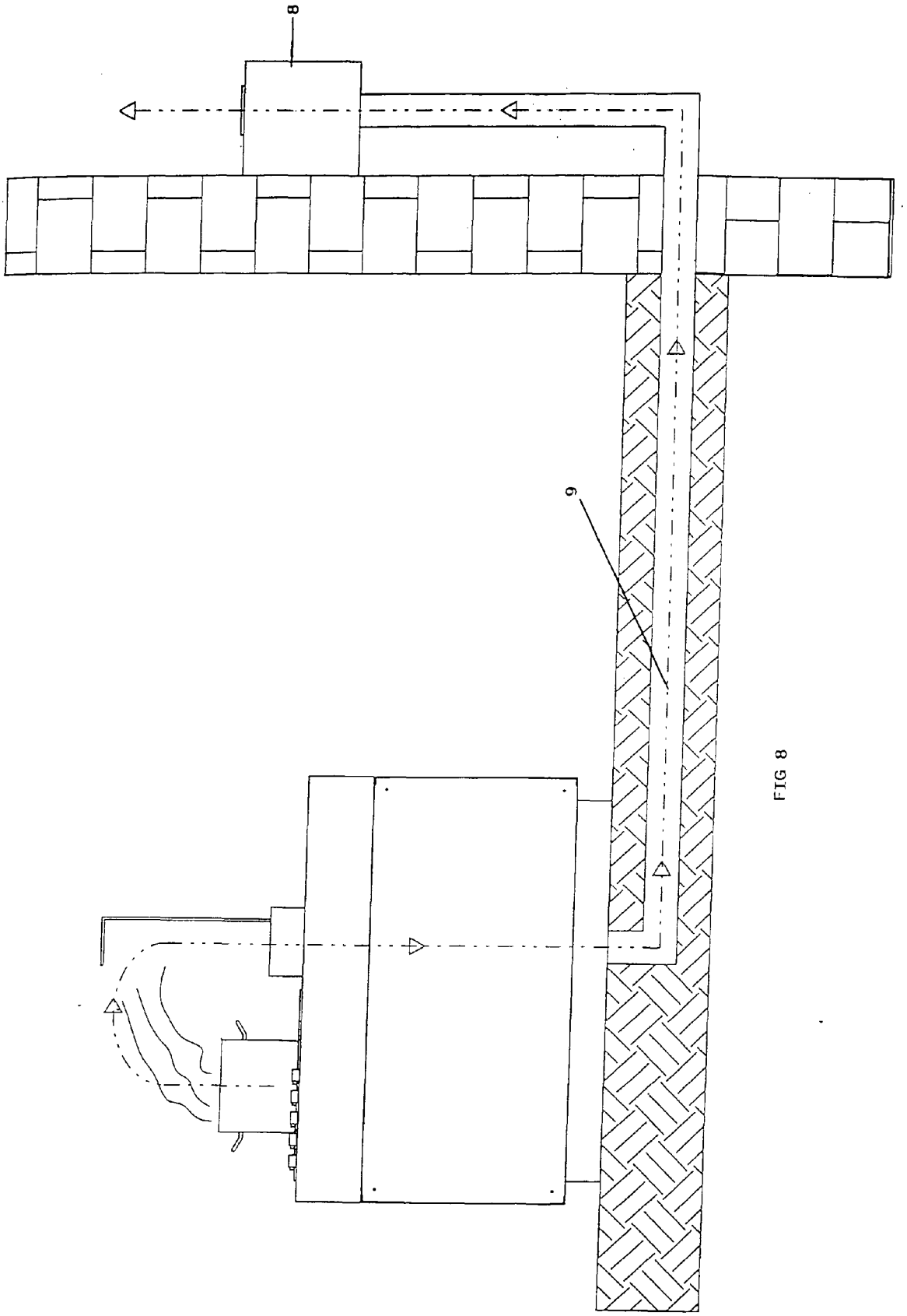

FIG 8