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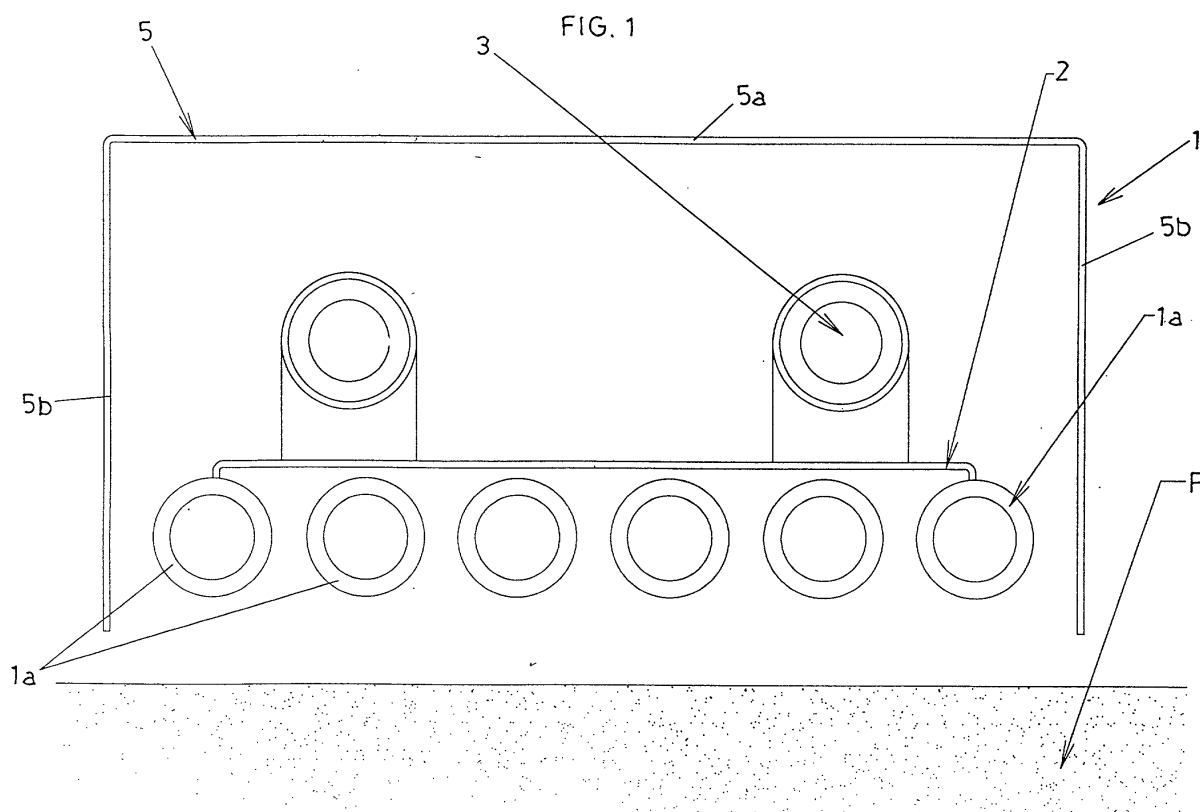
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(54) Wall-mounted radiator with built-in lighting fixture

(57) The present invention refers to a wall-mounted radiator of the type composed of a series of parallel tubular heating elements, characterised by the fact it is provided with a front thermoinsulating plate with suitable electrical contacts that support and power neon tubes

or other types of lamps; it also being provided that the radiator is equipped with a front cover that hides it completely and at the same time diffuses the light produced by the lamps and the heat produced by the heating elements.



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Description

[0001] The present patent application refers to a wall-mounted radiator with built-in lighting fixture.

[0002] The manufacture of the invention, which appears to have no antecedent, has been devised to stimulate the production of heating radiators, a sector that has been offering traditional technical and decorative solutions for a very long time.

[0003] The new radiator of the invention is capable of innovating the aforementioned traditional technology by introducing an absolutely original and brilliant solution, that is the incorporation of a lighting source into the wall-mounted radiator in order to provide heating and lighting in the same location.

[0004] The advantages of combining a heat and a light source are multiple and equally important: first of all, this solution significantly simplifies the realisation of installations since the chases on the walls for hot water pipes and electrical cables have the same direction.

[0005] Moreover, the use of the radiator of the invention allows significant space saving and at the same time satisfies the "technical-minimalist" trend that is becoming more and more popular in the furnishing and interior decoration sectors.

[0006] Finally, it must be noted that the radiator of the invention can dramatically reduce costs with particular reference to the expenses incurred for the realisation of traditional autonomous lighting installations in the environment.

[0007] For major clarity the description of the invention continues with reference to the enclosed drawings, which are intended for purposes of illustration and not in a limiting sense, whereby

- Figure 1 is a diagrammatic top view of the manufacture of the invention;
- Figure 2 and Figure 3 are front views of two embodiments of the invention with different front covers.

[0008] With reference to the enclosed figures, the radiator (1) of the invention is composed of a series of parallel tubular heating elements (1a) to be fixed on the wall (P). The main characteristic of the radiator (1) is represented by the fact that it incorporates a front plate (2) that supports the terminals (3) that are used to fix and power vertical neon tubes (4) or, alternatively, the contacts used to fix and power other types of lamps.

[0009] It must be said that the front plate (2) that supports the lamps (4) is of thermoinsulating type, thus providing the possibility of screening the heat produced by the heating elements (1a) for the correct operation of the lamps (4).

[0010] The radiator of the invention is provided with a front cover (5) that completely hides the structure of the new radiator (1) and at the same time diffuses the light produced by the lamps (4) and the heat produced by the heating elements (1a).

[0011] The height of the front cover (5), which has a basically C-shaped cross-section in the embodiment shown in the enclosed figures, is equal or higher than the height of the radiator (1). Additionally, the front wall (5a) of the front cover (5) is wider than the radiator (1) and the two lateral sides (5b) are deeper than the thickness of the radiator (1).

[0012] As regards the capability of the front cover (5) to diffuse heat and light, it must be said that the front cover (5) is totally open in the lower and upper sections and has a series of thin slots (6) on the front wall (5a) and eventually on the lateral sides (5b) (see the embodiment shown in figure 2).

[0013] Alternatively, the front cover (5) can have a regular or irregular series of small holes (7), as shown in the embodiment of Figure 3.

Claims

1. Radiator of the type composed of a series of parallel tubular heating elements (1a) to be fixed on the wall (P), **characterised by** the fact that it is provided with a front thermoinsulating plate (2) with suitable electrical contacts that support and power neon tubes or other types of lamps; it also being provided that the radiator (1) is equipped with a front cover (5) that hides it completely and at the same time diffuses the light produced by the lamps and the heat produced by the heating elements.
2. Radiator according to claim 1, **characterised by** the fact that in a preferred embodiment of the invention the front cover (5) has a basically C-shaped cross-section and height equal or higher than the height of the radiator (1); it being provided that the front wall (5a) is wider than the radiator (1) and the two lateral sides (5b) are deeper than the thickness of the radiator (1).
3. Radiator according to claim 1, **characterised by** the fact that the front cover (5) is totally open in the lower and upper sections and has a series of slots (6) or small holes (7).

