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Remarks:

The references to the drawing(s) no. 1 + 2 are deemed to be deleted (Rule 56(4) EPC).

(54) Ventilation grating

(57) An air grate 1 has a frame 7 with lamellas 9 connected to it, and which extend across the ventilation opening 11 enclosed by the frame. Each of the lamellas 5 can be manually adjusted separately.

The air grate 1, furthermore, has a screen 19 that

can move along the side of the lamellas 9 facing the interior, which can close off completely or partially the ventilation opening 11 enclosed by the frame. The screen 19 is guided by guides 23 mounted on the frame.

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BACKGROUND OF THE INVENTION:

Field of the invention

[0001] The invention relates to an air grate provided with a frame and lamellas which are connected to it and which extend across the ventilation opening enclosed by the frame, the position of which lamellas is adjustable.

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Prior art

[0002] Such an air grate is generally known. Ventilation can be regulated by closing the ventilation opening more or less by turning the lamellas. The disadvantage of this is that the direction of the air flow depends on the degree to which the ventilation opening is closed off.

Summary of the invention

[0003] An objective of the invention is to provide an air grate of the type described in the preamble in which the ventilation opening can be enlarged or made smaller independently of the position of the lamellas. To this end, the air grate according to the invention is characterised in that the air grate comprises a moveable screen that can completely or partially close off the ventilation opening enclosed by the frame. Opening and closing the ventilation opening takes place completely free of the lamellas, as a result of which the direction of air flow is not affected.

[0004] Preferably, the screen, after mounting the air grate in or in front of a ventilation opening in a building's wall, is moveable on the side of the lamellas facing the interior

[0005] Furthermore, the screen, after mounting the air grate in or in front of a ventilation opening in a building's wall, is preferably moveable vertically between a position in which the screen closes off the whole ventilation opening and a position under the frame in which the ventilation opening is completely free.

[0006] Preferably, the air grate comprises two parallel guides situated at a distance from each other, which are attached to the frame and between which the screen can move.

[0007] When using the air grate in a stable or the like for animals, it is important that the stable is well-ventilated both above the floor as well as under the roof ridge. An embodiment of the air grate according to the invention in which this can be realised efficiently and simply is characterised in that each of the lamellas can be adjusted separately. This can be done manually as well as mechanically.

[0008] In order to obtain good ventilation both above and below in a stable or the like, after mounting the air grate in or in front of a ventilation opening in a building's wall, the lamellas preferably extend horizontally.

Brief description of the drawings

[0009] The invention will be elucidated more fully below on the basis of drawings in which an embodiment of the air grate according to the invention is shown. In these drawings:

Figure 1 shows an embodiment of the air grate according to the invention built into an opening in a wall of a stable or the like while in an open position; and Figure 2 shows the air grate while in a partially closed position.

Detailed description of the drawings

[0010] In figures 1 and 2 an embodiment of the air grate 1 according to the invention is shown built into an opening in a wall 3 of a stable or the like 5, in an open and a partially closed position respectively. The air grate 1 has a frame 7 with lamellas 9 connected to it, which extend across the ventilation opening 11 enclosed by the frame. [0011] The lamellas 5 extend horizontally and each one of them can be manually adjusted separately. The uppermost lamellas shown in the situation in figure 1 are aiming upwards towards the interior and the lowermost lamellas are aiming downwards towards the interior, in order to guide the air flow (arrows 13) partially towards the floor 15 as well as partially towards the ceiling 17 of the stable or the like 5.

[0012] The air grate 1, furthermore, has a moveable screen 19, which can close off the ventilation opening 11 enclosed by the frame partially or completely. The screen 19 can be moved vertically by slackening or pulling on a cable 21 attached to the screen. The screen 19 is guided by guides 23 mounted on the frame.

[0013] The screen 19 can be moved on the side of the lamellas 9 facing the interior between a position in which the whole ventilation opening is closed off and a position under the frame in which the ventilation opening 11 is completely free, see figure 1.

[0014] Although in the above the invention is explained on the basis of the drawings, it should be noted that the invention is in no way limited to the embodiment shown in the drawings. The invention also extends to all embodiments deviating from the embodiment shown in the drawings within the context defined by the claims.

Claims

Air grate provided with a frame and lamellas connected to it which extend across the ventilation opening enclosed by the frame and the position of which is adjustable, characterised in that the air grate comprises a moveable screen which can completely or partially close off the ventilation opening enclosed by the frame.

2. Air grate according to claim 1, characterised in that the screen, after mounting the air grate in or in front of a ventilation opening in a building's wall, can be moved on the side of the lamellas facing the interior.

3. Air grate according to claim 1 or 2, characterised in that the screen, after mounting the air grate in or in front of the ventilation opening in a building's wall, can be moved vertically between a position in which the screen closes off the whole ventilation opening and a position under the frame in which the ventilation opening is completely free.

4. Air grate according to claim 1, 2 or 3, **characterised** in that the air grate, furthermore, comprises two parallel guides situated at distance from each other, which are mounted on the frame and between which the screen can be moved.

5. Air grate according to one of the preceding claims, characterised in that each of the lamellas can be separately adjusted.

6. Air grate according to one of the preceding claims, characterised in that the lamellas, after mounting the air grate in or in front of a ventilation opening in a building's wall, extend horizontally.