

Claims

1. An air-cleaning apparatus, especially an electrostatic air-cleaning apparatus, having a housing, in which an inlet nozzle (3) and an outlet nozzle (4) are provided for an air-current (L) to be cleaned, which is led to an air-cleaning unit (10) being arranged in said housing, wherein said housing (2) of said air-cleaning apparatus (1; 1') has a column-like shape, wherein said column-like housing (2) comprises an essentially air-tight outer sheath (2a), wherein said inlet nozzle (3) for said air-currents (L) to be cleaned is provided in a first front face (2') of said column-like housing (2), characterized in that the outlet nozzle (4) is provided in the other front face (2'') of said column-like housing (2), that said air-cleaning unit (10) provided in said column-like housing (2) is formed tube-like, that an inlet opening (11) of said air-cleaning unit (10) is provided at one of its front faces (10') and is aligned with said inlet nozzle (3) of said column-like housing (2), and that an outlet opening (12) of said air-cleaning unit (10) is provided at its other front face (10'') and is aligned with said outlet nozzle (4) of said column-like housing (2) of said air-cleaning apparatus (1; 1'), so that an essentially straight course of air flow between said inlet nozzle (3) of said air-cleaning apparatus (1) and said inlet opening (11) as well as between said outlet opening (12) and said outlet nozzle (4) of said column-like air-cleaning apparatus (1) is provided.
2. The air-cleaning apparatus according to claim 1, characterized in that said inlet nozzle (3) is provided in the upper one (2') of said two front faces (2'; 2'') of said column-like housing (2) of said air-cleaning apparatus (1; 1').
3. The air-cleaning apparatus according to one of claims 1 or 2, characterized in that a rim face (9) of said column-like housing (2) surrounding said inlet nozzle (3) has a rounded shape.



Voluntary Amendments

Claims

1. An air-cleaning apparatus, especially an electrostatic air-cleaning apparatus, having a housing, in which an inlet nozzle (3) and an outlet nozzle (4) are provided for an air-current (L) to be cleaned, which is led to an air-cleaning unit (10) being arranged in said housing, wherein said housing (2) of said air-cleaning apparatus (1; 1') has a column-like shape, wherein said column-like housing (2) comprises an essentially air-tight outer sheath (2a), wherein said inlet nozzle (3) for said air-currents (L) to be cleaned is provided in a first front face (2') of said column-like housing (2), characterized in that the outlet nozzle (4) is provided in the other front face (2'') of said column-like housing (2), that said air-cleaning unit (10) provided in said column-like housing (2) is formed tube-like, that an inlet opening (11) of said air-cleaning unit (10) is provided at one of its front faces (10') and is aligned with said inlet nozzle (3) of said column-like housing (2), and that an outlet opening (12) of said air-cleaning unit (10) is provided at its other front face (10'') and is aligned with said outlet nozzle (4) of said column-like housing (2) of said air-cleaning apparatus (1; 1'), so that an essentially straight course of air flow between said inlet nozzle (3) of said air-cleaning apparatus (1) and said inlet opening (11) as well as between said outlet opening (12) and said outlet nozzle (4) of said column-like air-cleaning apparatus (1) is provided.
2. The air-cleaning apparatus according to claim 1, characterized in that said inlet nozzle (3) is provided in the upper one (2') of said two front faces (2'; 2'') of said column-like housing (2) of said air-cleaning apparatus (1; 1').



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3. The air-cleaning apparatus according to one of claims 1 or 2, characterized in that a rim face (9) of said column-like housing (2) surrounding said inlet nozzle (3) has a rounded shape.



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4. The air-cleaning apparatus according to claim 1, characterized in that said inlet opening (11) of said air-cleaning unit (10) is spaced apart, in the flow direction of said air current (L), from said inlet nozzle (3).
5. The air-cleaning apparatus according to claim 1, characterized in that a current guide element (20) is provided in front of said inlet opening (11) of said air-cleaning unit (10).
6. The air-cleaning apparatus according to claim 1, characterized in that a lighting element (21) is provided in a space (5') of said housing (2) between said inlet nozzle (3) and said inlet opening (11).
- 10 7. The air-cleaning apparatus according to claim 1, characterized in that a noise reduction element (15) is mounted at least between said inlet nozzle (3) of said housing (2) and said inlet opening (11) of said air-cleaning unit (10).
- 15 8. The air-cleaning apparatus according to claim 1, characterized in that a noise reduction element (16) is mounted at least between said outlet nozzle (4) of said housing (2) and said outlet opening (12) of said air-cleaning unit (10).
9. The air-cleaning apparatus according to claim 1, characterized in that a fan-unit (6) is provided in front of said outlet nozzle (4) of said column-like housing (2).
- 20 10. The air-cleaning apparatus according to claim 1, characterized in that said outlet opening (12) of said air-cleaning unit (10) is spaced apart, in the flow



direction, from said outlet nozzle (4) of said column-like housing (2) of said air-cleaning apparatus (1; 1').

11. The air-cleaning apparatus according to claim 1, characterized in that a filter unit (30) is provided in said housing (2) of said air-cleaning apparatus (1').
- 5 12. The air-cleaning apparatus according to claim 11, characterized in that said filter unit (30) is a carbon filter and/or an ozone filter.
13. The air-cleaning apparatus according to claim 1, characterized in that an element for the release of a deodorising substance is provided in said housing (2) of said air-cleaning unit (1).
- 10 14. The air-cleaning apparatus according to claim 1, characterized in that said air-cleaning unit (10) is an electrostatic air-cleaning unit.
15. The air-cleaning apparatus according to claim 1, characterized in that said column-like housing (2) of said air-cleaning apparatus (1; 1') has a circular, oval or polygonal cross section.
- 15 16. The air-cleaning apparatus according to claim 1, characterized in that said column-like housing (2) of said air-cleaning apparatus (1; 1') is mountable on a foot.
17. The air-cleaning apparatus according to claim 1, characterized in that holding elements are provided on said housing (2) of said air-cleaning apparatus (1),



by which said housing (2) of said air-cleaning apparatus (1; 1') can be fixed on a wall and/or a ceiling, especially of a living room.

18. The air-cleaning apparatus according to claim 1, characterized in that at least two of said air-cleaning units (10) are provided in said housing (2).

