THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A ceiling fan including:

a housing having an outlet;

an impeller located within the housing for producing a stream of air passing through the outlet;

a first Coanda surface positioned in or adjacent to the outlet and arranged such that said stream of air passes over the Coanda surface and wherein ambient air is, in use, entrained into said stream of air;

a second Coanda surface positioned adjacent to the first Coanda surface so that said stream of air leaving the first Coanda surface is directed to pass over the second Coanda surface.

2. A ceiling fan as claimed in claims 1, wherein the fan further comprises a first vane and a second vane mounted such that they are located, in use, in said stream of air, and wherein the first and second Coanda surfaces are respectively located on the first and second vanes.

3. A ceiling fan as claimed in claims 2, wherein the fan comprises additional one or more vanes mounted such that they are located, in use, in said stream of air.

4. A ceiling fan as claimed in either claim 2 or claim 3, wherein the or each vane is coaxially mounted to the housing.

5. A ceiling fan as claimed in any one of claims 2 to 4, wherein the or each vane is configured in the form of an annular frame.

6. A ceiling fan as claimed in any one of claims 1 to 5, wherein the Coanda surfaces are concentric surfaces vertically arranged relative to each other.

7. A ceiling fan as claimed in claim 6, wherein at least one of the concentric surfaces is in the form of a concentric ring.

8. A ceiling fan as claimed in claim 6 or claim 7, wherein the downward extending angle of a higher Coanda surface is between about 20º and 25º relative to a vertical axis.

9. A ceiling fan as claimed in claim 6 or claim 7, wherein the downward extending angle of a lower Coanda surface is between about 30º and 35º relative to a vertical axis.

10. A ceiling fan as claimed in any one of claims 1 to 9, wherein the Coanda surfaces are offset in a radial direction relative to each other.

11. A ceiling fan as claimed in any one of claims 1 to 10, wherein the Coanda surfaces are disposed parallel with respect to each other and partially overlap when seen from a plan view.

12. An airflow device as claimed in any one of claims 1 to 11, wherein one or more guide(s) are arranged in the outlet between adjacent Coanda surfaces so as to direct a stream of air to pass over a downstream Coanda surface in an outward direction.

13. A ceiling fan as claimed in any one of claims 2 to 12, wherein the respective Coanda surface of the or each vane has a minimum width in the radial direction of about 390 mm.

14. A ceiling fan as claimed in any one of claims 1 to 13, wherein at least one of the Coanda surfaces is convex in shape.

15. A ceiling fan as claimed in claim 14, wherein a radius of the convex curvature is about 380 mm.

16. A ceiling fan as claimed in any one of claims 1 to 15, wherein at least one of the Coanda surfaces is flat.

17. A ceiling fan as claimed in claim 16, wherein all Coanda surfaces are flat.

18. A ceiling fan as claimed in any one of claims 1 to 17, wherein the Coanda surfaces extend downwardly with an angle of less than 90º relative to a vertical axis.

19. A ceiling fan as claimed in any one of claims 1 to 18, wherein an opening of the outlet has a height of about 20 mm or less.

20. A ceiling fan as claimed in any one of claims 1 to 19 including mounting means for mounting the fan to a ceiling and an inlet which is, in use, located adjacent to the ceiling, and wherein the inlet is located above an impeller for drawing ambient air in a downward direction toward the impeller.