CLAIMS

1. A hair dryer comprising,

a housing having an air inlet formed at a side of the housing and an air outlet formed at an opposite side of the housing;

an inlet fan disposed within the housing, proximal to the air inlet; and

an outlet fan disposed within the housing, between the inlet fan and the air outlet;

wherein the inlet fan and outlet fan are configured to rotate in opposite directions to direct air flow through the housing, from the air inlet to the air outlet;

wherein the inlet fan and outlet fan respectively comprise a plurality of blades; and

wherein the plurality of blades of the inlet fan are of a larger size as compared to the plurality of blades of the outlet fan.

2. The hair dryer according to claim 1, wherein the inlet fan and the outlet fan are axially aligned.

3. The hair dryer according to claim 1 or 2,

wherein the plurality of blades of the outlet fan are pitched in an opposite direction to the plurality of blades of the inlet fan.

4. The hair dryer according to any one of claims 1 to 3, wherein the inlet fan is further configured to rotate at a lower speed relative to the outlet fan.

5. The hair dryer according to any one of claims 1 to 4,

wherein the inlet fan is coupled to a first motor and the outlet fan is coupled to a second motor; and

wherein the first motor has a larger size as compared to the second motor.

6. The hair dryer according to any one of claims 1 to 5, further comprising a heater disposed between the air outlet and the outlet fan.

7. The hair dryer according to claim 6,

wherein air exiting the air outlet after passing through the heater is heated to a higher temperature as compared to air entering the air inlet; and

wherein air that is flowing along a periphery within the housing that does not pass through the heater has a substantially similar temperature as the air entering the air inlet.

8. The hair dryer according to any one of claims 1 to 6, wherein the inlet fan and outlet fan are configured to create a high-pressure region at a centre region of an air flow path from the air inlet to the air outlet, relative to a periphery region of the air flow path.

9. A method of making a hair dryer, the method comprising,

providing a housing having an air inlet formed at a side of the housing and an air outlet formed at an opposite side of the housing;

providing an inlet fan within the housing, proximal to the air inlet;

providing an outlet fan within the housing, between the inlet fan and the air outlet, wherein the inlet fan and outlet fan respectively comprise a plurality of blades, and wherein the plurality of blades of the inlet fan are of a larger size as compared to the plurality of blades of the outlet fan;

configuring the inlet fan and the outlet fan to rotate in opposite directions to direct air flow through the housing, from the air inlet to the air outlet.

10. The method according to claim 9, further comprising axially aligning the inlet fan and the outlet fan.

11. The method according to claim 9 or 10,

wherein the plurality of blades of the outlet fan are pitched in an opposite direction to the plurality of blades of the inlet fan.

12. The method according to any one of claims 9 to 11, further configuring the inlet fan to rotate at a lower speed relative to the outlet fan.

13. The method according to any one of claims 9 to 12,

further comprising coupling the inlet fan to a first motor and coupling the outlet fan to a second motor;

wherein the first motor has a larger size as compared to the second motor.

14. The method according to any one of claims 9 to 13, further comprising providing a heater disposed between the air outlet and the outlet fan.

15. The method according to claim 14,

wherein air exiting the air outlet after passing through the heater is heated to a higher temperature as compared to air entering the air inlet; and

wherein air that is flowing along a periphery within the housing that does not pass through the heater has a substantially similar temperature as the air entering the air inlet.

16. The method according to any one of claims 9 to 14, wherein the inlet fan and outlet fan are configured to create a high-pressure region at a centre region of an air flow path from the air inlet to the air outlet, relative to a periphery region of the air flow path.