What is claimed is:

**CLAIMS**

1. A hair care appliance, comprising:
a handle having an air inlet at a first end and an air outlet at a second end;
a body having an air inlet at a first end and at least one air outlet, the first end of the body being coupled to the second end of the handle at a joint such that the body is movable between a straight configuration in which the body is aligned with a longitudinal axis of the handle, and a bent configuration in which the body extends along an axis that is transverse to the longitudinal axis of the handle;
a fan assembly disposed within the handle and including a fan configured to draw air in through the air inlet in the handle and to direct air through the air outlet in the handle, into the air inlet in the body, and out the at least one air outlet in the body;
a motor disposed in the handle and coupled to the fan for driving the fan, the motor being positioned downstream of the fan and closer to the second end than the first end of the handle; and
a heater assembly positioned within the body and configured to heat air flowing through the body.

2. The hair care appliance of claim 1, wherein the handle includes a grasping portion spaced a distance from the first end, the grasping portion extending to the second end and the fan and motor being positioned within the grasping portion.

3. The hair care appliance of claim 1, wherein the fan and motor are disposed downstream of a first diverter within the handle.

4. The hair care appliance of claim 3, wherein the first diverter is coupled to an annular frame provided at an upstream end of a cylindrical housing of the fan assembly.

5. The hair care appliance of claim 4, wherein the first diverter is coupled to the annular frame by a plurality of supports extending radially from the first diverter toward the annular frame.

6. The hair care appliance of claim 4, wherein the cylindrical housing extends between the fan and the second end of the handle and encloses the motor therein.

7. The hair care appliance of claim 4, wherein the cylindrical housing includes a motor frame having a plurality of curved vanes arranged about a circumference of the motor, the motor frame arranged within the cylindrical housing.

8. The hair care appliance of claim 7, wherein the first diverter is configured to distribute fluid flow through the motor frame.

9. The hair care appliance of claim 3, wherein the body includes a second diverter upstream of the heater assembly, the motor and the second diverter positioned on opposing sides of the joint.

10. The hair care appliance of claim 1, wherein a center of the motor is positioned about 145-155 mm from the first end of the handle in the straight configuration and the bent configuration.

11. The hair care appliance of claim 1, wherein the motor and the heater assembly are aligned along respective longitudinal axes of the handle and body so as to balance a center of mass of the hair care appliance.

12. A hair care appliance, comprising:
a hollow elongate housing having a handle portion and a body portion pivotally coupled to one another at a hinge joint, the hollow elongate housing having an air flow path from an air inlet in the handle portion, through an opening in the hinge joint, and through at least one air outlet in the body portion;
a printed circuit board (PCB) disposed within the air flow path in the handle portion;
a fan disposed within the handle portion body downstream of the PCT, the fan being configured to draw air into the air inlet and to direct air through the opening in the hinge joint and out the at least one air outlet;
a motor disposed within the handle portion downstream of the fan such that the motor is positioned closer to the hinge joint than the air inlet, the motor being operably coupled to the fan; and
a heater assembly disposed within the body portion and configured to receive air from the opening in the hinge joint and to provide heated air to the at least one air outlet.

13. The hair care appliance of claim 12, wherein the handle portion includes a filter assembly positioned adjacent a first end of the handle portion and having the air inlet, and a grasping portion positioned between the filter assembly and the hinge joint.

14. The hair care appliance of claim 13, wherein the fan and motor are positioned within the grasping portion.

15. The hair care appliance of claim 13, wherein the PCB is positioned within the grasping portion.