

Claims

1. A wearable air purifier comprising:
a headgear;
5 an air purifier assembly, the air purifier assembly comprising a filter and an airflow generator for creating an airflow through the filter; and
a nozzle assembly comprising a conduit for receiving a filtered airflow from the air purifier assembly, and an outlet body releasably connected to the conduit, the outlet body defining an air outlet for emitting filtered airflow from the nozzle assembly.
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2. A wearable air purifier as claimed in Claim 1, wherein the air purifier assembly is supported by the headgear.
3. A wearable air purifier as claimed in Claim 1 or Claim 2, wherein the conduit
15 comprises an aperture, and the outlet body is configured to extend over the aperture when the outlet body is connected to the conduit in use.
4. A wearable air purifier as claimed in Claim 3, wherein the aperture is provided in a side wall of the conduit.
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5. A wearable air purifier as claimed in Claim 3 or Claim 4, wherein the conduit is generally arcuate and thereby defines a void between a first end and a second end of the conduit, and the aperture faces inwardly towards the void.
- 25 6. A wearable air purifier as claimed in any preceding claim, wherein the outlet body comprises a plurality of apertures defining the air outlet.
7. A wearable air purifier as claimed in any preceding claim, wherein the outlet body comprises a mesh defining the air outlet.
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8. A wearable air purifier as claimed in any preceding claim, wherein at least one of the conduit and the outlet body comprises a seal for sealing with the other of the outlet body and the conduit when the outlet body is connected to the conduit in use.

5 9. A wearable air purifier as claimed in any preceding claim, wherein at least one of the conduit and the outlet body comprises a releasable catch for retaining the outlet body relative to the conduit in use.

10 10. A wearable air purifier as claimed in Claim 9, wherein the releasable catch is located such that the releasable catch is not exposed to filtered airflow within the conduit in use.

11. A wearable air purifier as claimed in any preceding claim, wherein the outlet body is connectable to the conduit by a friction fit.

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12. A wearable air purifier as claimed in any preceding claim, wherein the conduit comprises a first end and a second end, and the air purifier assembly is configured to provide filtered airflow to both the first and second ends of the conduit in use, such that first and second filtered airflows are conveyed within the conduit, and the nozzle
20 assembly is arranged to emit both the first and second filtered airflows.

13. A wearable air purifier as claimed in Claim 12, wherein at least one of the conduit and the outlet body comprises a divider for dividing the air outlet into first and second air outlet portions, and the divider is configured to divert the first and second
25 filtered airflows through a respective one of the first and second air outlet portions in use.

14. A wearable air purifier as claimed in Claim 12 or Claim 13, wherein the air purifier assembly comprises a first outlet aperture that is configured to emit a first filtered airflow to the first end of the conduit, and the air purifier assembly comprises a further
30 filter, a further airflow generator for creating a further airflow through the further filter,

and a second outlet aperture configured to emit a second filtered airflow to the second end of the conduit.