

CLAIMS

1. A cleaner head (10) for a vacuum cleaning appliance, the cleaner head (10) comprising:
 - a main body (12) supporting an agitator (36), the agitator (36) comprising a rotatable cylindrical body (42) that bears an elongate agitator formation (44) for engaging a surface as the cylindrical body (42) rotates,
 - wherein the elongate agitator formation (44) includes:
 - a first agitator row (46) that extends around the cylindrical body (42) in a direction from a respective first edge (L) of the cylindrical body (42) towards a respective second edge (R) in a first helical direction, the first agitator row (46) extending from a position proximate the first edge (L) towards or beyond a centre (C) of the cylindrical body, and a second agitator row (47) that extends around the cylindrical body (42) in a direction from the second edge (R) of the cylindrical body (42) towards the first edge (L) in a second helical direction that is counter to the first helical direction, the second agitator row (47) extending from a position proximate the second edge (R) towards or beyond the centre (C) of the cylindrical body, the first (46) and second (47) agitator rows extend axially along the cylindrical body (42) such that they do not overlap with one another, wherein the first agitator row (46) comprises agitators of a first material and wherein the second agitator row (47) comprises agitators of a second material that is different to the first material.
2. The cleaner head (10) according to claim 1, wherein the first and the second agitator rows (46, 47) meet to define an apex (58).
3. The cleaner head (10) according to claim 2, wherein the apex (58) is located at approximately the centre (C) of the agitator (36).
4. The cleaner head (10) according to claim 2 or 3, wherein the apex (58) points towards the direction of rotation of the agitator (36).
5. The cleaner head (10) according to claim 2 or 3, wherein the apex (58) points away from the direction of rotation of the agitator (36).

6. The cleaner head (10) according to claim 1, wherein an axially inner end (56) of the first agitator row (46) and an axially inner end (56) of the second agitator row (47) are angularly offset from one another.

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7. The cleaner head (10) according to any preceding claim, wherein the first and second agitator rows (46, 47) extend from the positions proximate the respective first and second edges (L, R) of the cylindrical body (42) at substantially equal angular positions.

10 8. The cleaner head (10) according to any preceding claim, wherein the stiffness of the first material is greater than the stiffness of the second material.

9. The cleaner head (10) according to any preceding claim, wherein the first material is nylon.

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10. The cleaner head (10) according to any preceding claim, wherein the second material is carbon fibre.

11. The cleaner head (10) according to any preceding claim, wherein the first and
20 second agitator rows (46, 47) circumferentially extend around the cylindrical body (42) once.

12. The cleaner head (10) according to any one of claims 1 to 11, wherein the elongate agitator formation (44) comprises a third agitator row (48) that extends around the cylindrical body (42) in a direction from the first edge (L) of the cylindrical body (42) towards the second edge (R) in the first helical direction, the third agitator row (48) extending from a position
25 proximate the first edge (L) towards or beyond the centre (C) and comprising agitators of the second material, and a fourth agitator row (49) that extends around the cylindrical body (42) in a direction from the second edge (R) of the cylindrical body (42) toward the first edge (L) in the second helical direction, the fourth agitator row (49) extending from a position
30 proximate the second edge (R) towards or beyond the centre (C) and comprises agitators of the first material, the third (48) and fourth (49) agitator rows extend axially along the cylindrical body (42) such that they do not overlap with one another.

13. The cleaner head (10) according to claim 12, wherein the third and fourth agitator rows (48, 49) meet to define an apex (58).

14. The cleaner head (10) according to claim 12, wherein an axially inner end (56) of the
5 third agitator row (48) and an axially inner end (56) of the fourth agitator row (49) are angularly offset from one another.

15. The cleaner head (10) according to any preceding claim, wherein the elongate agitator formation (44) is configured such that, during use, a single point of contact is formed
10 between the floor surface and each of the first and second materials during rotation of the cylindrical body (42).

16. A vacuum cleaning appliance comprising the cleaner head (10) according to any preceding claim.
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