CLAIMS

What is claimed is:

1. A dust collection assembly, comprising:

a dust collection assembly main body (3) configured to be removably provided in a base station main body (10), the dust collection assembly main body (3) being detachable from a front surface of the base station main body (10),

wherein the dust collection assembly main body (3) has a dust collection cavity formed in the dust collection assembly main body (3) and an engagement portion (31) provided at a side surface of the dust collection assembly main body (3), and wherein the engagement portion (31) is configured to be engaged with an engagement matching portion of the base station main body (10) and limited by the engagement matching portion, allowing the dust collection assembly main body (3) to be in communication with a dust suction pipe (2) in the base station main body,

when viewed from a front side of the dust collection assembly, the engagement portion (31) is disposed at a right side of the dust collection assembly main body (3), and the dust collection cavity is configured to be in communication with a dust outlet end of the dust suction pipe (2) at the right side of the dust collection assembly main body (3).

2. The dust collection assembly according to claim 1, wherein the dust collection assembly main body (3) is a dust bag, and wherein the engagement portion (31) is an insert provided at the dust collection assembly main body (3), the insert being configured to be engaged with the engagement matching portion.

3. The dust collection assembly according to claim 2, wherein the engagement portion (31) comprises:

a first insert component (33) provided at the dust collection assembly main body (3) and configured to be engaged with the engagement matching portion; and

a second insert component (34) surrounded by the first insert component (33) and configured to be engaged with the first insert component (33), the second insert component (34) having a dust inlet (32) in communication with the dust collection cavity.

4. The dust collection assembly according to claim 3, wherein the first insert component (33)

has insertion slots formed at two opposite sides of the first insert component (33), each of the insertion slots being configured to be engaged with the second insert component (34); and

a side of the insertion slot facing away from the dust collection assembly main body (3) is provided with a plurality of limit protrusions (331) symmetrically arranged at intervals, the plurality of limit protrusions (331) being configured to abut with the second insert component (34).

5. The dust collection assembly according to claim 4, wherein in an insertion direction of the second insert component (34), a first stopper (333) and a second stopper (332) are sequentially arranged at each of the insertion slots; and

the second insert component (34) is provided with a projection (341), the projection (341) being configured to allow the second insert component (34) to shield an opening of the dust collection cavity when the projection (341) abuts with the first stopper (333), and to bring the dust inlet (32) into communication with the dust collection cavity when the projection (341) abuts with the second stopper (332).

6. The dust collection assembly according to any of claims 1 to 5, wherein the dust collection assembly main body (3) is arranged at a right side of the front surface of the base station main body (10).

7. A sweeper base station, comprising a base station main body (10) and the dust collection assembly according to any one of claims 1 to 6,

wherein the base station main body (10) is provided with a dust suction pipe (2), an air return pipe (6), and a dust suction pump (5);

wherein the base station main body (10) has an accommodation cavity formed at a front surface of the base station main body (10), the dust collection assembly main body (3) being removably connected to the accommodation cavity;

wherein the dust suction pump (5) is disposed at the dust suction pipe (2) or the air return pipe (6);

wherein the dust suction pipe (2) has a dust suction end configured to be in communication with a dust discharge port of a sweeper body and a dust outlet end located at a side wall of the accommodation cavity; and

wherein the air return pipe (6) has an air inlet end in communication with the accommodation cavity and an air outlet end configured to be in communication with an air inlet of the sweeper body.

8. The sweeper base station according to claim 7, wherein the dust outlet end of the dust suction pipe (2) is in communication with the dust collection cavity through the engagement portion (31).

9. The sweeper base station according to claim 8, wherein at least part of the dust suction pipe (2) is arranged around a top of the base station main body (10).

10. The sweeper base station according to claim 7, further comprising:

a shield portion provided at the base station main body (10) in an openable or closable manner and configured to shield an opening of the accommodation cavity.

11. The sweeper base station according to claim10, wherein the air inlet end of the air return pipe (6) is located at an inner wall of an end of the accommodation cavity opposite to the opening.

12. The sweeper base station according to claim 11, wherein the air return pipe (6) is arranged around a back surface of the base station main body (10).

13. The sweeper base station according to claim 7, wherein the air inlet end of the air return pipe (6) is provided with a filter (7).

14. A sweeper, comprising a sweeper body and the sweeper base station according to any one of claims 7 to 13,

wherein the sweeper base station is configured to accommodate the sweeper body; and

wherein the sweeper body has an air inlet and a dust discharge port, the air inlet being in communication with the air outlet end of the air return pipe (6), and the dust discharge port being in communication with the dust suction end of the dust suction pipe (2).

15. The sweeper according to claim 14, wherein the air inlet and the dust discharge port are arranged at two opposite sides of the sweeper body.

16. A cleaning apparatus, comprising a washing device (200) and the sweeper according to claim 14 or 15, wherein the washing device (200) is disposed above the sweeper.