Claims

1. A liquid spraying apparatus which sprays a liquid on a target surface, the liquid spraying apparatus comprising:

a frame;

a spraying unit which is movably mounted on the frame and sprays the liquid on the target surface; and

a scattering prevention unit which is disposed in front of the spraying unit to prevent scattering of the liquid sprayed by the spraying unit,

wherein the scattering prevention unit absorbs the liquid sprayed by the spraying unit to prevent scattering of the liquid,

wherein the target surface is directly sprayed with a part of the liquid sprayed from the spraying unit to be primarily applied and then secondarily applied by the liquid absorbed in the scattering prevention unit.

2. The liquid spraying apparatus of claim 1, wherein at least a part of the scattering prevention unit is located in a spraying range of the liquid sprayed by the spraying unit.

3. The liquid spraying apparatus of claim 1, wherein the scattering prevention unit is formed by a cylindrical sponge.

4. The liquid spraying apparatus of claim 1, wherein at least a part of the scattering prevention unit is located beyond a spraying range of the liquid sprayed by the spraying unit.

5. The liquid spraying apparatus of claim 1, wherein the scattering prevention unit includes a first scattering prevention unit and a second scattering prevention unit which are disposed at upper and lower sides of the spraying unit, and

the first scattering prevention unit and the second scattering prevention unit are spaced apart from each other to form a spraying space for directly spraying the liquid sprayed by the spraying unit on the target surface.

6. The liquid spraying apparatus of claim 5, wherein a side of the spraying space is closed so as to prevent the liquid sprayed by the spraying unit from being scattered.

7. The liquid spraying apparatus of claim 5, wherein the first scattering prevention unit and the second scattering prevention unit are formed by cylindrical sponges and rotatable.

8. The liquid spraying apparatus of claim 7, wherein the first scattering prevention unit and the second scattering prevention unit are rotated by contact with the target surface.

9. The liquid spraying apparatus of claim 7, wherein sides of the first scattering prevention unit and the second scattering prevention unit are closed so as to prevent the liquid sprayed by the spraying unit from being scattered.

10. The liquid spraying apparatus of claim 1, wherein the scattering prevention unit is moved in a vertical direction by interlocking with the vertical movement of the spraying unit.

11. The liquid spraying apparatus of claim 1, wherein the scattering prevention unit is position-shifted based on the frame to change a positional relationship with the spraying unit.

12. The liquid spraying apparatus of claim 1, wherein the frame includes a horizontal support frame supporting a horizontal movement of the spraying unit, a vertical support frame supporting a vertical movement of the horizontal support frame so that the vertical movement of the spraying unit is implemented, and a mounting frame on which the scattering prevention unit is mounted, and

the mounting frame is moved in a vertical direction by interlocking with the vertical movement of the horizontal support frame.

13. The liquid spraying apparatus of claim 12, wherein the mounting frame surrounds the horizontal support frame and defines a limitation on the horizontal movement of the spraying unit.

14. The liquid spraying apparatus of claim 13, wherein the scattering prevention unit has a width corresponding to a width in the horizontal direction of the mounting frame.

15. The liquid spraying apparatus of claim 12, wherein the scattering prevention unit is located so as to further protrude forward than the mounting frame.

16. The liquid spraying apparatus of claim 1, wherein the spraying unit includes a first spraying unit and a second spraying unit which are disposed in a vertical direction, and

the first spraying unit and the second spraying unit are mounted on the frame to be independently movable.