

CLAIMS

[Claim 1]

An underwater cleaning machine ~~for cleaning~~that cleans an object to be cleaned while moving along a surface of the object to be cleaned residing underwater, the underwater cleaning machine comprising:

a cleaning device ~~configured to clean~~that cleans the object to be cleaned by ejecting high-pressure water toward the object to be cleaned; and

a suction device ~~configured to suction~~that suctions dirty water after cleaning by the cleaning device,

wherein ~~the cleaning device and the suction device are driven by high-pressure water supplied from~~ an external high-pressure water pump is configured to drive the cleaning device and the suction device,

and wherein,

the cleaning device comprises a discoid cleaning body configured to rotate by a reaction force of ejection of high-pressure water on the object to be cleaned,

the suction device has a water suction port on an inner side of the cleaning body, and

the water suction port is configured to suction the dirty water through voids on the outer peripheral side and the inner side of the cleaning body.

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[Claim 2]

The underwater cleaning machine according to claim 1, wherein ~~the cleaning device and the suction device are distributed with the high-pressure water pumped from~~ the high-pressure water pump is configured to distribute the high pressure-water to the cleaning device and the suction device through one high-pressure hose.

[Claim 3]

~~The underwater cleaning machine according to claim 1 or 2, wherein,~~

~~the cleaning device comprises a discoid cleaning body that rotates by a reaction force of ejection of high-pressure water on the object to be cleaned,~~

~~the suction device has a water suction port on an inner side of the cleaning body, and~~
~~the dirty water is suctioned from the water suction port through voids on the outer peripheral side and the inner side of the cleaning body.~~

[Claim [34](#)]

The underwater cleaning machine according to claim [13](#), wherein the outer peripheral side of the cleaning body is provided with a diffusion prevention cover to prevent the diffusion of the dirty water.

[Claim [45](#)]

The underwater cleaning machine according to any one of claims 1 to [34](#), wherein,

the suction device comprises a suction pump configured to suction ~~that suctions~~ the dirty water, and

the suction pump comprises:

a hollow cylindrical casing;

an impeller disposed inside the casing; and

a plurality of suction ports formed in the casing,

the impeller being configured to be driven by a reaction force of ejection of high-pressure water from ejection nozzles disposed on the impeller.

[Claim [56](#)]

The underwater cleaning machine according to claim [45](#), wherein the plurality of suction ports is disposed on the bottom surface of the casing along the circumferential direction, and

the suction ports are open toward a tangential direction of the casing.

[Claim [67](#)]

The underwater cleaning machine according to claim [45](#), wherein the ejection nozzles are disposed in pairs across the rotary shaft of the impeller.