[CLAIMS]

[Claim 1]

A rotary body mounting device which is mountable onto a power shaft, the rotary body mounting device comprising:

a rotary body; and

an attaching device, wherein the attaching device has:

an insertion hole into which the power shaft is insertable;

a drive connecting part which is connectable to the power shaft;

a power shaft attaching/detaching mechanism operation part which allows attachment and detachment of the rotary body mounting device, integrally including the rotary body and the attaching device, to and from the power shaft, wherein the power shaft attaching/detaching mechanism operation part is provided on a side of the attaching device, with the rotary body used as a reference, into which the power shaft is not insertable ; and

a rotary body attaching/detaching mechanism operation part which allows attachment and detachment of the rotary body to and from the rotary body mounting device, wherein the rotary body attaching/detaching mechanism operation part is provided only on a side of the attaching device, with the rotary body used as the reference, into which the power shaft is insertable, such that the rotary body attaching/detaching mechanism operation part cannot be operated before the rotary body mounting device is detached from the power shaft, wherein

the rotary body attaching/detaching mechanism operation part enables to detach the rotary body by press operation.

[Claim 2]

The rotary body mounting device according to claim 1, wherein the attaching device includes an attaching/detaching device which has the power shaft attaching/detaching mechanism operation part and a rotary body hold device which has the rotary body attaching/detaching mechanism operation part.

[Claim 3]

The rotary body mounting device according to claim 2, wherein

the attaching/detaching device includes a boss tube which is inserted into the rotary body, and

the rotary body attaching/detaching mechanism operation part of the rotary body hold device is provided so as to retain and release the boss tube.

[Claim 4]

The rotary body mounting device according to claim 2 or 3, wherein the attaching/detaching device and/or the rotary body hold device has an urging part which presses the rotary body.

[Claim 5]

The rotary body mounting device according to claim 4, wherein

a tapered face which contracts toward a side of the rotary body is provided in the attaching/detaching device,

the urging part of the rotary body hold device is configured by an urging member which pinches the tapered face, and

the urging part of the rotary body hold device is configured to function also as a rotary body attaching/detaching mechanism by providing an operation part which opens the urging member.

[Claim 6]

The rotary body mounting device according to any one of claims 2 to 5, wherein

the rotary body has a recess and/or a projection on a mounting face to which the attaching/detaching device and/or the rotary body hold device is mounted, and a projection and/or a recess is provided in the attaching/detaching device and/or the rotary body hold device so as to fit into the recess and/or the projection.

[Claim 7]

The rotary body mounting device according to any one of claims 2 to 6, wherein

the rotary body has at least one engaging mechanism, and

the attaching/detaching device or the rotary body hold device has an engaged mechanism which engages with the engaging mechanism.

[Claim 8]

An oil collection device comprising:

the rotary body mounting device according to any one of claims 1 to 7;
a power device which rotates the rotary body mounting device; and
an oil collection member which collects oil.

[Claim 9]

A range hood comprising the rotary body mounting device according to any one of claims 1 to 7 or the oil collection device according to claim 8.