CLAIMS

1. A range hood comprising a hood, a filter, a blower for rotating a fan by a fan motor, an UV light source for irradiating UV rays to the filter, and a control unit for controlling the fan motor and the UV light source, wherein the UV light source is located on an outer side outer than an outer peripheral surface of the filter, and the control unit is configured to turn off the UV light source in an operating state, to turn on the UV light source for a set time so as to decompose and to remove oil adhering to the filter during operation after a completion of a cooking with heat by a heat cooker and the operation is stopped from an operating state, and to drive the fan motor for the set time at the same time so that the fan is rotated while UV rays are irradiated so as to discharge malodor and ozone generated during the decomposition of the oil; and

the range hood further comprising a filter motor for rotating the filter, wherein the control unit is configured to drive the filter motor at a high speed for a predetermined time after the operation is stopped so that the filter is rotated at a high speed for a predetermined time before the UV rays are irradiated, and to control the UV light source and the fan motor after the predetermined time has passed.

2. A range hood comprising a hood, a filter, a blower for rotating a fan by a fan motor, an UV light source for irradiating UV rays to the filter, and a control unit for controlling the fan motor and the UV light source, wherein the UV light source is located on an outer side outer than an

outer peripheral surface of the filter, and the control unit is configured to turn off the UV light source in an operating state, to turn on the UV light source for a set time so as to decompose and to remove oil adhering to the filter during operation after a completion of a cooking with heat by a heat cooker and the operation is stopped from an operating state, and to drive the fan motor for the set time at the same time so that the fan is rotated while UV rays are irradiated so as to discharge malodor and ozone generated during the decomposition of the oil; and

the range hood further comprising a filter motor for rotating the filter, wherein the control unit is configured to drive the filter motor at a high speed after the set time has passed, so that the filter is rotated at a high speed.

3. A range hood comprising a hood, a filter, a blower for rotating a fan by a fan motor, an UV light source for irradiating UV rays to the filter, and a control unit for controlling the fan motor and the UV light source, wherein the UV light source is located on an outer side outer than an outer peripheral surface of the filter, and the control unit is configured to turn off the UV light source in an operating state, to turn on the UV light source for a set time so as to decompose and to remove oil adhering to the filter during operation after a completion of a cooking with heat by a heat cooker and the operation is stopped from an operating state, and to drive the fan motor for the set time at the same time so that the fan is rotated while UV rays are irradiated so as to discharge malodor and ozone generated during the decomposition of the oil; and

the range hood further comprising a filter motor for rotating the filter, wherein the control unit is configured to drive the filter motor at a high speed when the UV light source is turned on, so that the filter is rotated at a high speed while UV rays are irradiated.

4. A range hood comprising a hood, a filter, a blower for rotating a fan by a fan motor, an UV light source for irradiating UV rays to the filter, and a control unit for controlling the fan motor and the UV light source, wherein the UV light source is located on an outer side outer than an outer peripheral surface of the filter, and the control unit is configured to turn off the UV light source in an operating state, to turn on the UV light source for a set time so as to decompose and to remove oil adhering to the filter during operation after a completion of a cooking with heat by a heat cooker and the operation is stopped from an operating state, and to drive the fan motor for the set time at the same time so that the fan is rotated while UV rays are irradiated so as to discharge malodor and ozone generated during the decomposition of the oil; and

the range hood further comprising a filter motor for rotating the filter, wherein the control unit is configured to drive the filter motor at a low speed when the UV light source is turned on, so that the filter is rotated at a low speed while UV rays are irradiated.

5. The range hood according to any one of claims 1 to 4, wherein

the control unit is configured to drive the fan motor for a certain period of time even after the set time has passed

and the UV light source is turned off so that the fan is rotated for a certain period of time even after the UV light source is turned off.