CLAIMS

[Claim 1]

An air-conditioning clothing, for air-conditioning an inner space that exists between a wearer and the air-conditioning clothing that is worn by the wearer, comprising:

a clothing body that configured to be worn by the wearer, wherein the clothing body includes a front portion located anteriorly to face the wearer's chest and abdomen, and a rear portion located posteriorly to face the wearer's back, in a state worn by the wearer;

an attaching portion provided at the rear portion of the clothing body and having an air-conditioning hole penetrating between the inner and outer surfaces of the clothing body, wherein the attaching portion includes a removable temperature adjustment device that takes outside air into the air-conditioning clothing through the air-conditioning hole; and

a collar portion provided at an upper end of the clothing body and covering at least a part of a back of the wearer's neck when worn by the wearer, wherein the collar portion has a ventilation space adjustment portion that adjusts a size of a ventilation space between the back of the wearer's neck and the inner surface of the collar portion,

wherein,

when the air-conditioning clothing is air-conditioned,

an airflow passage is formed through which the outside air flows,

the outside air taken into the clothing body through the air-conditioning hole flows, via the rear air-conditioned space existing between the rear portion of the clothing body and the back of the wearer, toward the ventilation space between the inner surface of the first portion of the collar portion and the neck of the wearer.

[Claim 2]

The air-conditioning clothing according to claim 1,

wherein the collar portion includes;

a first portion that has a lower end connected to the upper end of the clothing body, and that extends so as to surround at least a portion of the back of the wearer's neck when worn by the wearer; and

a second portion that has a connecting part connected to an upper end of the first portion,

wherein the ventilation space adjustment portion is provided in the first part, and

wherein, in the collar portion, in a state where the outer surface of the second portion of the collar portion is bent outward so as to overlap the outer surface of the first portion of the collar portion, with the upper end of the first portion as a border, whereby the ventilation space adjustment portion exposed to the outside from the first portion is covered by the second portion, so that the ventilation space adjustment portion is not visible from the outside of the air-conditioning clothing.

[Claim 3]

The air-conditioning clothing according to claim 2, wherein the ventilation space adjustment portion of the collar portion includes:

an adjustment string that is configured to be inserted into a through hole penetrating the collar portion, wherein the adjustment string has a first end fixed to a fixing portion on an inner surface of the collar portion facing the neck of the wearer, and a second end that is exposed on the outer surface of the collar portion through the through hole formed in the collar portion and is provided with an adjustment locking part;

a normal locking part that is provided on the outer surface of the collar portion adjacent to the through hole, wherein the normal locking part is for fixing the second end of the adjustment string to the outer surface of the collar

portion by engaging with the adjustment locking part;

an air-conditioning locking part that is provided on the outer surface of the collar portion at a position laterally farther from the through hole than the normal locking part, wherein the air-conditioning locking part is for fixing the second end of the adjustment string to the outer surface of the collar portion by engaging with the adjustment locking part.

[Claim 4]

The air-conditioning clothing according to claim 3,

wherein, in the normal mode of the air-conditioning clothing where the adjustment locking part and the normal locking part engage, the ventilation space between the inner surface of the collar portion and the neck of the wearer has a normal size, and

wherein, in the air conditioning mode of the air-conditioning clothing where the adjustment locking part and the air-conditioning locking part engage, the size of the ventilation space between the inner surface of the collar portion and the neck of the wearer is larger than the normal size.

[Claim 5]

The air-conditioning clothing according to claim 4,

wherein, in a state where the air-conditioning clothing is worn by the wearer,

the normal mode, in which the adjustment locking part and the normal locking part are engaged, and the air conditioning mode, in which the adjustment locking part and the air-conditioning locking part are engaged are switched, by the wearer operating the adjustment locking part of the ventilation space adjustment portion of the collar portion from outside the air-conditioning clothing near the outer surface of the collar portion with the wearer's hand.

[Claim 6]

The air-conditioning clothing according to claim 5,

wherein the air-conditioning locking part includes a first air-conditioning locking part and a second air-conditioning locking part that are arranged side by side in the horizontal direction, on the outer surface of the collar portion, at a position laterally farther from the through hole than the normal locking part, and

wherein the second air-conditioning locking part is provided at a position laterally farther from the through hole than the first air-conditioning locking part, on the outer surface of the collar portion.

[Claim 7]

The air-conditioning clothing according to claim 6,

wherein, in the air conditioning mode,

a size of the ventilation space between the inner surface of the collar portion and the neck of the wearer, by engaging the adjustment locking part and the second air-conditioning locking part, is larger than a size of the ventilation space between the inner surface of the collar portion and the neck of the wearer, by engaging the adjustment locking part and the first air-conditioning locking part.

[Claim 8]

The air-conditioning clothing according to claim 4,

wherein the rear portion of the clothing body is provided with a reinforcing member that extends in the lateral direction along the ventilation space adjustment portion of the collar portion near the upper end of the rear portion, and the reinforcing member is for maintaining the shape of the ventilation space adjusted by the ventilation space adjustment portion.

[Claim 9]

The air-conditioning clothing according to claim 8, wherein the reinforcing member is a reinforcing cloth or an interlining.

[Claim 10]

The air-conditioning clothing according to claim 9,

wherein a width of the reinforcing member in the lateral direction along the ventilation space adjustment portion is larger than or equal to the distance between the fixing portion and the through hole.

[Claim 11]

The air-conditioning clothing according to claim 10,

wherein, when the air-conditioning clothing is viewed in the vertical direction, an area in the lateral direction along the ventilation space adjustment portion of the reinforcing member includes an area in the lateral direction between the fixing portion and the through hole.

[Claim 12]

The air-conditioning clothing according to claim 4,

wherein, in the air conditioning mode, the ventilation space includes an area surrounded by the adjustment string of the ventilation space adjustment portion of the collar portion and the inner surface of the rear portion of the clothing body.

[Claim 13]

The air-conditioning clothing according to claim 4,

wherein a length of the adjustment string of the ventilation space adjustment portion exposed on the inner surface of the first portion of the collar portion, in the normal mode, is longer than a length of the adjustment string of the ventilation space adjustment portion exposed on the inner surface of the first portion of the collar portion, in the air conditioning mode.

[Claim 14]

The air-conditioning clothing according to claim 4, wherein the attaching portion includes:

a first attaching portion provided at the rear portion of the clothing body and having a first air-conditioning hole passing through between the inner and outer surfaces of the clothing body; wherein the first attaching portion is

removable with a first temperature adjustment device that takes outside air into the air-conditioning clothing through the first air-conditioning hole, and

a second attaching portion provided at the rear portion of the clothing body and having a second air-conditioning hole penetrating between the inner and outer surfaces of the clothing body; wherein the first attaching portion is removably attached to a second temperature adjustment device that takes outside air into the air-conditioning clothing through the second air-conditioning hole.

[Claim 15]

The air-conditioning clothing according to claim 14, further comprising:

a first temperature adjustment device attached to the first attaching portion; and

a second temperature adjustment device attached to the second attaching portion.