CLAIMS

1. A collecting device, comprising:

a base having a return end portion for collecting and removing a liquid generated by an air conditioning unit; and

attachment means connected to the base, the attachment means for attaching the base to a portion of the air conditioning unit,

whereby when attached thereto, the base is at an incline to the air conditioning unit with the return end portion being the lower end of the incline, and wherein the return end portion comprises a first portion and a second portion connected to the first portion,

wherein the first portion comprises at least one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion; and

wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of a channel defined by the second portion.

2. A collecting device according to claim 1, wherein the first portion comprises at least a surface texture arranged to decrease the velocity of the liquid flowing over the surface texture.

3. A collecting device according to claim 2, wherein the surface texture has water adsorption properties.

4. A collecting device according to claim 3, wherein one end of the channel is adapted to be connectable to an outlet to further remove the liquid from the channel.

5. A collecting device according to claim 1, wherein the profile of the first and second portions is substantially an S-shaped profile.

6. A collecting device according to claim 1, wherein the profile of the first and second portions is substantially a Z-shaped profile.

7. A collecting device according to claim 1, wherein the profile of the first and second portions is substantially a mirror-image-of-P-shaped profile.

8. A collecting device according to any preceding claim, wherein the attachment means comprises at least one side wall which extends from the base.

9. A collecting device according to claim 8, wherein the base is positioned at an incline to the at least one side wall with the return end portion being the lower end of the incline.

10. A collecting device according to any preceding claim, wherein the collecting device is a tray for the air conditioning unit.

11. A method for installing a collecting device according to any preceding claim to an air conditioning unit, comprising:

attaching the base to the portion of the air conditioning unit via the attachment means such that the base is at an incline to the air conditioning unit with the return end portion being the lower end of the incline,

wherein the return end portion comprises a first portion and a second portion connected to the first portion, and

the first portion comprises at least one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion, and

wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of a channel defined by the second channel.

12. An air conditioning system, comprising:

an air conditioning unit; and

a collecting device having a base and attachment means connected to the base, the base having a return end potion for collecting and removing a liquid generated by the air conditioning unit, the attachment means for attaching the base to a portion of the air conditioning unit,

whereby when attached thereto, the base is at an incline to the air conditioning unit with the return end portion being the lower end of the incline,

wherein the return end portion comprises a first portion and a second portion connected to the first portion, and the first portion comprises at least

one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion; and

wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of a channel defined by the second portion.

13. An air conditioning system according to claim 12, wherein the collecting device is in accordance with any of claims 2 to 10.

CLAIMS

1. A collecting device, comprising:

a base having a return end portion for collecting and removing a liquid generated by an air conditioning unit; and

attachment means connected to the base, the attachment means for attaching the base to a portion of the air conditioning unit,

whereby when attached thereto, the base is at an incline to the air conditioning unit with the return end portion being the lower end of the incline, and wherein the return end portion comprises a first portion and a second portion connected to the first portion,

wherein the first portion comprises at least one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion; and

wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of a channel defined by the second portion.

2. A collecting device according to claim 1, wherein the first portion comprises at least a surface texture arranged to decrease the velocity of the liquid flowing over the surface texture.

3. A collecting device according to claim 2, wherein the surface texture has water adsorption properties.

~~3. A collecting device according to claim 2, wherein the second portion defines a channel for collecting and removing the liquid.~~

4. A collecting device according to claim 3, wherein one end of the channel is adapted to be connectable to an outlet to further remove the liquid from the channel.

~~5. A collecting device according to claim 4, wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of the channel.~~

~~6~~5. A collecting device according to claim ~~5~~1, wherein the profile of the first and second portions is substantially an S-shaped profile.

~~7~~6. A collecting device according to claim ~~5~~1, wherein the profile of the first and second portions is substantially a Z-shaped profile.

~~8~~7. A collecting device according to claim ~~5~~1, wherein the profile of the first and second portions is substantially a mirror-image-of-P-shaped profile.

~~9. A collecting device according to any of claims 1 to 8, wherein the first portion comprises at least one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion.~~

~~10~~8. A collecting device according to any preceding claim, wherein the attachment means comprises at least one side wall which extends from the base.

~~11~~9. A collecting device according to claim ~~10~~8, wherein the base is positioned at an incline to the at least one side wall with the return end portion being the lower end of the incline.

~~12~~10. A collecting device according to any preceding claim, wherein the collecting device is a tray for the air conditioning unit.

~~13~~11. A method for installing a collecting device according to any preceding claim to an air conditioning unit, comprising:

attaching the base to the portion of the air conditioning unit via the attachment means such that the base is at an incline to the air conditioning unit with the return end portion being the lower end of the incline,

wherein the return end portion comprises a first portion and a second portion connected to the first portion, and

the first portion comprises at least one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion, and

wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of a channel defined by the second channel.

~~14~~12. An air conditioning system, comprising:

an air conditioning unit; and

a collecting device having a base and attachment means connected to the base, the base having a return end potion for collecting and removing a liquid generated by the air conditioning unit, the attachment means for attaching the base to a portion of the air conditioning unit,

whereby when attached thereto, the base is at an incline to the air conditioning unit with the return end portion being the lower end of the incline,

wherein the return end portion comprises a first portion and a second portion connected to the first portion, and the first portion comprises at least one protrusion arranged to decrease the velocity of the liquid flowing from the first portion to the second portion; and

wherein a profile of the first and second portions shows at least a part of the first portion extending beyond the periphery of a channel defined by the second portion.

~~15~~13. An air conditioning system according to claim ~~14~~12, wherein the collecting device is in accordance with any of claims 2 to ~~13~~10.