What is claimed is: ~~(SC)~~

1. A supporting device for a solar panel, the supporting device comprising:

a plurality of buoyant members, wherein each buoyant member including an upper body in which a plurality of protrusions are formed upwardly and first and second props are formed on the protrusions to prop a solar panel, respectively, and a lower body in which a wing part is formed to be protruded from the side thereof and a lower surface is formed to be protruded downwardly; and

a plurality of connectors, wherein each connector formed to have a box shape and connecting the buoyant members in a vertical direction or horizontal direction,

wherein the buoyant members are coupled to the connector as the wing parts are coupled to the connector,

wherein an upper wing part is formed in a lateral surface of the upper body, a lower wing part is formed in a lateral surface of the lower body, connection wings parts are formed in lateral surfaces of the connector, the upper wing part and the lower wing part are coupled to form main wing parts, and the buoyant members are coupled to the connector by coupling the connection wing parts to the main wing parts.

2. The supporting device of claim 1, wherein a receiving part is formed in the second prop to allow the solar panel to be installed therein.

3. The supporting device of claim 2, wherein the receiving part is formed as a rail.

4. The supporting device of claim 2 or 3, wherein coupling recesses are formed on one sides of the first and second props, and the solar panel is fixedly coupled by clamps and bolts inserted into the coupling recesses.

5. The supporting device of claim 1, wherein an air hole is formed in a portion of the first prop.

6. The supporting device of claim 5, wherein a uni-directional valve is provided in the air hole.

7. The supporting device of claim 1, wherein a plurality of first screw holes are formed in the wing part.

8. The supporting device of claim 1, wherein the lower surface has a streamlined shape.

9. The supporting device of claim 1, wherein the upper body and the lower body are integrally formed.

10. The supporting device of claim 1, wherein a groove is formed on the lateral circumference of the connector, and the wing part is inserted into the groove.

11. The supporting device of claim 10, further comprising:

a second connector interposed between the connectors.

12. The supporting device of claim 11, wherein a second groove is formed in a lateral surface of the second connector in a length direction and communicate with the groove, and a second wing part is formed in a lateral surface thereof in a width direction and coupled to the groove of the connector in the width direction.

13. The supporting device of claim 1, further comprising:

a support pipe coupled to the wing part in order to fixedly connect a plurality of buoyant members.

~~14. The supporting device of claim 1, wherein~~

~~an upper wing part is formed in an lateral surface of the upper body,~~

~~a lower wing part is formed in a lateral surface of the lower body,~~

~~connection wings parts are formed in lateral surfaces of the connector,~~

~~the upper wing part and the lower wing part are coupled to form main wing parts, and the buoyant members are coupled to the connector by coupling the connection wing parts to the main wing parts.~~

~~15~~14. The supporting device of claim ~~14~~ 1, wherein

clamp mounting parts are formed in the first and second props to couple a clamp to fix the solar panel.

~~16~~15. The supporting device of claim ~~14~~ 1, wherein a support portion is formed to be protruded upwardly from a central portion of the lower body.

~~17~~16. The supporting device of claim ~~14~~ 1, wherein an upper ventilation hole is formed in a central portion of the upper body, and a lower ventilation hole is formed in the support portion to communicate with the upper ventilation hole.

~~18~~17. The supporting device of claim ~~14~~ 1, wherein a plurality of upper creases are formed on the edges of the upper wing part, and lower creases are formed on

the edges of the lower wing part to correspond to the upper creases.

~~19~~18. The supporting device of claim ~~18~~ 17, wherein when the upper wing part and the lower wing part come into contact to be coupled, a gap is formed between the upper creases and the lower creases.

~~20~~19. The supporting device of claim ~~14~~ 1, wherein an end portion of the upper wing part is formed to be bent in a "ㄱ" shape along the edges.

~~21~~20. The supporting device of claim ~~14~~ 1, wherein a plurality of slip preventing protrusions are arranged to be formed on upper surfaces of the buoyant member and the connector vertically and horizontally, and a plurality of slip preventing recesses are arranged to be formed on lower surfaces thereof vertically and horizontally.

~~22~~21. The supporting device of claim ~~14~~ 1, wherein a plurality of ribs are formed on the lateral surface of the connector in order to reinforce rigidity.

~~23~~22. The supporting device of claim ~~14~~ 1, wherein the connector comprises a first connector and a second connector shorter than the first connector.

~~24~~23. The supporting device of claim ~~23~~ 22, wherein, in the second connection wing parts of the second connector, a step is formed such that a width directional portion thereof is lower than a length directional portion thereof.

~~25~~24. The supporting device of claim ~~23~~ 22, wherein a groove is formed in a lateral surface of the second connector in the width direction.

~~26~~25. The supporting device of claim ~~14~~ 1, wherein inner spaces of the buoyant member and the connector are filled with Styrofoam or earth and sand, stone, or steel.

~~27~~26. The supporting device of claim ~~14~~ 1, wherein a loading recess is formed in the first prop, and a loading protrusion is formed in the second prop.

What is claimed is:

1. A supporting device for a solar panel, the supporting device comprising:

a plurality of buoyant members, wherein each buoyant member including an upper body in which a plurality of protrusions are formed upwardly and first and second props are formed on the protrusions to prop a solar panel, respectively, and a lower body in which a wing part is formed to be protruded from the side thereof and a lower surface is formed to be protruded downwardly; and

a plurality of connectors, wherein each connector formed to have a box shape and connecting the buoyant members in a vertical direction or horizontal direction,

wherein the buoyant members are coupled to the connector as the wing parts are coupled to the connector,

wherein an upper wing part is formed in a lateral surface of the upper body, a lower wing part is formed in a lateral surface of the lower body, connection wings parts are formed in lateral surfaces of the connector, the upper wing part and the lower wing part are coupled to form main wing parts, and the buoyant members are coupled to the connector by coupling the connection wing parts to the main wing parts.

2. The supporting device of claim 1, wherein a receiving part is formed in the second prop to allow the solar panel to be installed therein.

3. The supporting device of claim 2, wherein the receiving part is formed as a rail.

4. The supporting device of claim 2 or 3, wherein coupling recesses are formed on one sides of the first and second props, and the solar panel is fixedly coupled by clamps and bolts inserted into the coupling recesses.

5. The supporting device of claim 1, wherein an air hole is formed in a portion of the first prop.

6. The supporting device of claim 5, wherein a uni-directional valve is provided in the air hole.

7. The supporting device of claim 1, wherein a plurality of first screw holes are formed in the wing part.

8. The supporting device of claim 1, wherein the lower surface has a streamlined shape.

9. The supporting device of claim 1, wherein the upper body and the lower body are integrally formed.

10. The supporting device of claim 1, wherein a groove is formed on the lateral circumference of the connector, and the wing part is inserted into the groove.

11. The supporting device of claim 10, further comprising:

a second connector interposed between the connectors.

12. The supporting device of claim 11, wherein a second groove is formed in a lateral surface of the second connector in a length direction and communicate with the groove, and a second wing part is formed in a lateral surface thereof in a width direction and coupled to the groove of the connector in the width direction.

13. The supporting device of claim 1, further comprising:

a support pipe coupled to the wing part in order to fixedly connect a plurality of buoyant members.

14. The supporting device of claim 1, wherein

clamp mounting parts are formed in the first and second props to couple a clamp to fix the solar panel.

15. The supporting device of claim 1, wherein a support portion is formed to be protruded upwardly from a central portion of the lower body.

16. The supporting device of claim 1, wherein an upper ventilation hole is formed in a central portion of the upper body, and a lower ventilation hole is formed in the support portion to communicate with the upper ventilation hole.

17. The supporting device of claim 1, wherein a plurality of upper creases are formed on the edges of the upper wing part, and lower creases are formed on

the edges of the lower wing part to correspond to the upper creases.

18. The supporting device of claim 17, wherein when the upper wing part and the lower wing part come into contact to be coupled, a gap is formed between the upper creases and the lower creases.

19. The supporting device of claim 1, wherein an end portion of the upper wing part is formed to be bent in a “ㄱ” shape along the edges.

20. The supporting device of claim 1, wherein a plurality of slip preventing protrusions are arranged to be formed on upper surfaces of the buoyant member and the connector vertically and horizontally, and a plurality of slip preventing recesses are arranged to be formed on lower surfaces thereof vertically and horizontally.

21. The supporting device of claim 1, wherein a plurality of ribs are formed on the lateral surface of the connector in order to reinforce rigidity.

22. The supporting device of claim 1, wherein the connector comprises a first connector and a second connector shorter than the first connector.

23. The supporting device of claim 22, wherein, in the second connection wing parts of the second connector, a step is formed such that a width directional portion thereof is lower than a length directional portion thereof.

24. The supporting device of claim 22, wherein a groove is formed in a lateral surface of the second connector in the width direction.

25. The supporting device of claim 1, wherein inner spaces of the buoyant member and the connector are filled with Styrofoam or earth and sand, stone, or steel.

26. The supporting device of claim 1, wherein a loading recess is formed in the first prop, and a loading protrusion is formed in the second prop.