with resin.

The leakage of air can be prevented for a period of a certain extent by filling the gap with resin, but the air leakage occurs when the resin is degraded after elapse of a long period from when the gap is filled with resin, and furthermore, the air leakage occurs when the submerged depth is deep and a considerable water pressure is exerted on the resin portion thus breaking the resin and forming a gap from the water pressure even by a slight degradation of resin.

[Cited Document]

[Patent Document]

[0004]

[Patent document 1] Japanese Patent Publication No. 5951020

[Patent document 2] Japanese Patent Publication No. 5760598

Summary of the Invention

[0005]

Embodiments of the present invention completely prevent the air from leaking out from a conduit tube, which protects an electrical wire connecting an electrical equipment and a power source, in a submergence preventing facility (air shelter).

Furthermore, embodiments of the present invention are able to easily and reliably electrically connect the electrical equipment and the power source while completely preventing the leakage of air from the conduit tube.

[0006]

According to an aspect of the present invention, there is provided an air shelter for an electrical equipment including an equipment operated by power, a cover body arranged at a periphery of the equipment to prevent submergence of the equipment, an electrical wire that supplies the power to the equipment, and a conduit tube that protects the electrical wire; where the cover body has at least a roof portion, a side surface portion, and a bottom surface

portion, and includes an opening at one part or all of the bottom surface portion or on a lower side of a position where the equipment is arranged in the side surface portion, the other portions being a sealed structure; and the electrical wire is passed through a vicinity of a lower end of the side surface portion or the bottom surface portion of the cover body from the equipment and connected to a power source; and the conduit tube includes a terminating end, a discontinuous portion, or a portion having permeability on a lower side of a position where the equipment is arranged in the inside or the lower side of the cover body.

[0007]

In an embodiment, an end of the conduit tube or a member connected to the end of the conduit tube may be water tightly filled.

[0008]

In an embodiment, the above air shelter for the electrical equipment may further include a conduit tube connector for connecting a terminating end of the conduit tube in the vicinity of a lower end of the side surface portion or the vicinity of the bottom surface portion of the cover body.

Brief Description of the Drawings

[0009]

Fig. 1 is a front view of an air shelter for an electrical equipment according to embodiment 1;

Fig. 2 is a plan view of the air shelter for the electrical equipment according to embodiment 1;

Fig. 3 is a front view of an air shelter for an electrical equipment according to embodiment 2;

Fig. 4 is a plan view of the air shelter for the electrical equipment according to embodiment 2;

Fig. 5 is a front view of an air shelter for an electrical equipment according to