【CLAIMS】

【Claim 1】

A ship comprising:

an outer panel including an air outlet;

a plurality of reinforcement members installed on an inner surface of the outer panel to be separated from each other; and

a frictional resistance-reducing device formed between the immediately adjacent reinforcement members among the plurality of reinforcement members on the inner surface of the outer panel to cover the air outlet,

wherein the frictional resistance-reducing device includes a housing having a hollow shape with one surface that is open, and an air inlet formed in the housing,

wherein the one open surface faces the air outlet,

wherein the housing includes a body unit having a hollow shape with both side surfaces open, and one of the surfaces thereof perpendicularly coupled to the inner surface of the outer panel, and

wherein the body unit includes a diameter changing part configured to have a cone shape with a changing diameter.

【Claim 2】

The ship of claim 1, wherein:

the air outlet includes a plurality of air outlets;

the housing is perpendicularly coupled to the inner surface of the outer panel;

the air inlet is formed in the other surface or a side surface of the housing; and

the plurality of air outlets are disposed in the outer panel at regular intervals with respect to a virtual line in a circumferential direction.

【Claim 3】

The ship of claim 1, wherein the housing further includes a cover unit having an air inlet formed in the center thereof and configured to cover the other surface of the body unit.

【Claim 4】

The ship of claim 3, wherein the body unit includes:

a large diameter part having a cylinder shape;

a small diameter part having a cylinder shape with a diameter relatively smaller than that of the large diameter; and

the diameter changing part configured to connect the large diameter part with the small diameter part.

【Claim 5】

The ship of claim 2, wherein:

the housing has a regular polygon-shaped cross section; and

the number of the plurality of air outlets is provided to be the same as that of sides of the regular polygon-shaped cross section of the housing.

【Claim 6】

The ship of claim 1, wherein:

the housing has a rectangular cross section and is perpendicularly coupled to the inner side surface of the outer panel;

the air inlet is formed in the center of the other surface of the housing; and

a plurality of air outlets are disposed at an edge of the housing and positioned to be perpendicular to the outer panel at a regular distance from a virtual line.

【Claim 7】

The ship of claim 1, wherein the housing includes a plurality of housings, and the plurality of housings are disposed in a longitudinal direction of the reinforcement member or a direction perpendicular to the longitudinal direction of the reinforcement member.

【Claim 8】

A ship comprising:

an outer panel including an air outlet;

a plurality of reinforcement members installed on an inner surface of the outer panel to be separated from each other; and

a frictional resistance-reducing device formed between the immediately adjacent reinforcement members among the plurality of reinforcement members on the inner surface of the outer panel to cover the air outlet,

wherein the frictional resistance-reducing device includes a housing having a hollow shape with one surface that is open, and an air inlet formed in the housing,

wherein the one open surface faces the air outlet, and

wherein a specific area of the outer panel facing the one open surface of the housing includes a base unit having a through hole connected with an inside of the housing, and a door unit coupled to the base unit to open and close the through hole.

【Claim 9】

The ship of claim 8, wherein the air outlet is formed in at least one location among the door unit, the base unit, and a boundary between the base unit and the door unit.

【Claim 10】

The ship of claim 8, wherein the door unit is hinge-coupled to the base unit to rotate toward the inside of the housing.

【Claim 11】

The ship of claim 10, wherein a boundary part of the door unit and a boundary part of the through hole have a tapered shape to prevent the door unit from rotating outside the housing.

【Claim 12】

A frictional resistance-reducing device comprising:

a housing having a hollow shape with one surface that is open; and

an air inlet formed at one side of the housing,

wherein the one open surface of the housing is installed to face an inner surface of an outer panel, reinforcement members reinforcing the outer panel are disposed on both sides of the housing, and the housing covers an air outlet installed in the outer panel, and

wherein a specific area of the outer panel facing the one open surface of the housing includes a base unit having a through hole connected with an inside of the housing, and a door unit coupled to the base unit to open or close the through hole.

【Claim 13】

The frictional resistance-reducing device of claim 12, wherein the housing includes:

a body unit having a hollow shape with both side surfaces open and having one of the surfaces thereof perpendicularly coupled to the inner surface of the outer panel; and

a cover unit having an air inlet formed in the center thereof and configured to cover the other surface of the body unit.

【Claim 14】

The frictional resistance-reducing device of claim 12, wherein the housing includes an antifouling device installed therein.