[CLAIMS]

[Claim 1]

An antifouling coating composition comprising:

(A) an organopolysiloxane having two or more silanol groups in the molecule,

(B) a crosslinking agent,

(C) an inorganic copper, and

copper pyrithione.

[Claim 2]

The antifouling coating composition according to Claim 1, wherein the inorganic copper (C) is cuprous oxide and/or metallic copper.

[Claim 3]

The antifouling coating composition according to any one of Claim 1 or 2, further comprising an antifouling imparting agent (D) other than the inorganic copper (C) and copper pyrithione.

[Claim 4]

The antifouling coating composition according to Claim 3, wherein the antifouling imparting agent (D) is a pyrithione salt other than copper pyrithione.

[Claim 5]

The antifouling coating composition according to any one of Claims 1 to 4, which contains the inorganic copper (C) in an amount of 0.5 to 60 wt%.

[Claim 6]

The antifouling coating composition according to any one of Claims 1 to 4, which contains the inorganic copper (C) in an amount of 5 to 40 wt%.

[Claim 7]

The antifouling coating composition according to any one of Claims 1 to 6, further comprising a silicone oil (E).

[Claim 8]

The antifouling coating composition according to Claim 7, wherein the silicone oil (E) is an organopolysiloxane represented by the general formula [I] below:

[Chem. 1]

$$R^3-(SiR^3_2-O)_u-SiR^3_3 \qquad [I]$$

(in the formula, R^3 independently at each occurrence represents a C_{1-10} alkyl group, an alkenyl group, an aryl group, an aralkyl group, an alkoxy group or a halogenated alkyl group; or a C_{2-100} polyoxyalkylene group optionally endcapped with a C_{1-10} hydrocarbon group, a hydroxyl group or a silyl group having a condensation reactive group on the silicon atom, and u is an integer of 1 to 10,000).

[Claim 9]

The antifouling coating composition according to any one of Claims 1 to 8, further comprising a metallic curing catalyst (F) and/or an organic solvent (G).

[Claim 10]

The antifouling coating composition according to Claim 9, wherein the organic solvent (G) comprises an aromatic hydrocarbon and an alcohol.

[Claim 11]

An antifouling film obtained by curing the antifouling coating composition described in any one of Claims 1 to 10.

[Claim 12]

A method for producing antifouling films, comprising applying the antifouling coating composition described in any one of Claims 1 to 10 to form an antifouling film.

[Claim 13]

An antifouling substrate obtained by coating a substrate with the antifouling film described in Claim 11.

[Claim 14]

The antifouling substrate according to Claim 13, wherein the substrate is any of a marine vessel, an underwater structure and fishing equipment.

[Claim 15]

A method for preventing substrates from fouling, comprising coating a surface of the substrate with the antifouling film described in Claim 11.

[Claim 16]

A method for producing antifouling substrates, comprising a step of applying the antifouling coating composition described in any one of Claims 1 to 10 to a substrate, and a step of curing the antifouling coating composition spread on the substrate by the application step.