

ABSTRACT

COATING COMPOSITION USED FOR FRICTIONAL RESISTANCE REDUCED SHIP
UTILIZING GAS LUBRICATION FUNCTION IN WATER, COATING FILM FORMED FROM
THE COMPOSITION, SHIP COATED WITH THE COATING FILM, PRODUCTION PROCESS
5 FOR THE SHIP, METHOD FOR PREDICTING EFFECT OF THE FRICTIONAL RESISTANCE
REDUCTION, APPARATUS USED FOR PREDICTION OF THE FRICTIONAL RESISTANCE
REDUCTION EFFECT, AND FRICTIONAL RESISTANCE REDUCTION SYSTEM USED
FOR THE FRICTIONAL RESISTANCE REDUCED SHIP

The present invention addresses the problem of providing: a ship with
10 a reduced friction drag, which can keep the affinity for a gas such
as air in water for a long period, has a high fluid friction drag
reduction effect, is economically advantageous and has little
influence on the environment; a coating composition which enables
the formation of a coating film that can keep the affinity for a gas
15 such as air in water for a long period, has a friction drag reduction
effect and can exhibit a stain-proof function under stream or under
static conditions; and others. The present invention relates to a
coating composition which enables the formation of a coating film
having a specified static in-water bubble contact angle and a specified
20 in-water bubble roll (slip) angle and can be used for a ship with
a reduced friction drag utilizing a gas-lubricating function in water.
The present invention also relates to a stain-proof coating composition
which comprises a specific organopolysiloxane (A), a specific
organosilane (B) and a specific hydrophobic material (C) in specified
25 amounts and can be used for a ship with a reduced friction drag utilizing
a gas-lubricating function in water.

(no drawing to be published)