

DEVICE FOR REDUCING THE PROPULSION POWER REQUIREMENT OF A WATERCRAFT

Abstract

The invention describes a device for reducing the propulsion power requirement of a watercraft, in particular a ship, and for arrangement in the flow direction ahead of a ship's propeller, comprising a flow-guiding surface, in particular a nozzle ring or a partial nozzle ring, at least one inner fin projecting from the flow-guiding surface, wherein the inner fin is attached with one end to the flow-guiding surface and wherein another end of the inner fin is attached to a watercraft when the device is installed on a watercraft, and at least one outer fin projecting from the flow-guiding surface, wherein the outer fin is attached with one end to the flow-guiding surface and wherein another end of the outer fin is configured as a free end, wherein the at least one inner fin and/or the at least one outer fin are made of a composite material

(Fig. 1).