

RUDDER ARRANGEMENT FOR SHIPS HAVING HIGHER SPEEDS
COMPRISING A CAVITATION-REDUCING TWISTED, IN PARTICULAR
BALANCED RUDDER

ABSTRACT

The rudder arrangement for ships comprises a twisted balanced rudder blade (100) having a slender profile and having a low profile thickness and comprising a propeller (115) facing the rudder blade and a rudder pipe located in the upper region of the rudder blade with rudder post (140) located therein, wherein the rudder blade (100) comprises two superposed rudder blade sections (10, 20) having different heights whose front nose strips (11, 21) facing the propeller are offset in such a manner that one nose strip (11) is offset to port (BB) or starboard (SB) and the other nose strip (21) is offset to starboard (SB) or port (BB), wherein the two side wall surfaces of the rudder blade (100) converge into an end strip (30) facing away from the propeller and have different arc profiles.

(Fig. 1)