

Rudder For Ships, Steering Method, And Ship

Abstract

This rudder 100 for ships is equipped with an upper rudder 10A and a lower rudder 10B which are vertically arranged behind and on the axis of a propeller 8 disposed at a stern 2. The upper rudder 10A and the lower rudder 10B can be independently turned to port and starboard sides from the axis of the propeller 8. The upper rudder 10A has an airfoil shape suitable for a propeller vortex flow 9a flowing from the port side 7 to the starboard side 6. The lower rudder 10B has an airfoil shape suitable for a propeller vortex flow 9b flowing from the starboard side 6 to the port side 7. During deceleration or deceleration turning, one of the upper rudder 10A and the lower rudder 10B is turned to the port side 7, and the other rudder is turned to the starboard side 6.

Fig. 1