



ABSTRACT

TWIN-HULL BOAT WITH HYDROFOILS

Disclosed is a novel twin-hull boat equipped with a pair of hydrofoils 4 and 5 which are respectively secured to bottom surface of twin-hull structures 3A and 3B traverse on the stem and stern sides thereof. A pair of auxiliary wings 6A and 6B are installed by way of being opposite from each other at predetermined positions on the internal wall surfaces of the twin-hull structures 3A and 3B mutually facing the hull center line and at a predetermined height position between upper water line formed in the course of low-speed cruising and lower water line formed in the course of high-speed cruising. The twin-hull boat incorporates a postural angle regulating device 15 to properly regulate postural angle of the auxiliary wings 6A and 6B by causing them to pivot on the horizontal axis.