

ABSTRACT

TITLE OF INVENTION: HIGH-SPEED LATERAL-STABILITY HULL CONSTRUCTION

A high-speed lateral-stability hull structure which is a single-body transom type hull regardless of whether it is chine type or round bilge type, has a small wave making resistance, and moreover is excellent in lateral stability, is disclosed. The known single-body transom type hull structure provided with reaction flaps extending along side platings nearly from a bow portion towards a stern portion, is improved in that the reaction flaps extend over a length equal to at least 10% or more of a ship length, and their inner surfaces formed in cooperation with the side platings have an upset-U-shaped cross-section curved in a parabolic shape so that water flow therein may flow smoothly and having a depth of 100 mm or more in the deepest portion.

Figure 1