

Title (en)

BOAT HULL, ESPECIALLY FOR SAILING-SHIPS AND YACHTS

Publication

EP 0042584 B1 19870304 (DE)

Application

EP 81104651 A 19810616

Priority

DE 3022966 A 19800619

Abstract (en)

[origin: WO8103647A1] The body of the ship, particularly sailing yachts and boats, on which is exerted, as a result of the displacement-originated forces, a lifting force such that the body starts to plane, has, at least in one longitudinal region located underneath the horizontal plane (12) defined by the water surface, a vertical longitudinal profile (14) of which the lower portion has a shape corresponding to that of the lower portion of the profile of an aerofoil. The longitudinal profile extends towards the stem (10) substantially tangentially to the horizontal plane (12). The chord (S) of at least this aerofoil lies within the horizontal plane. The lower portion of the body may have the shape indicated in lateral longitudinal regions and may have in a central region profile chords having a positive or negative incidence angle. Conversely, the shape indicated may be realised in the central region, the profile chords having a positive or negative incidence angle being located in the lateral regions. The highest point (18) of the lower actuated portion of the body, respectively the profile, is located between 30% and 50% of the length of the profile chord, that is to say the distance apart between the culminating point (18) and the front end of the chord (20), respectively the chords, is less than 50% of the total length of the chord and preferably comprised between 30 and 50%.

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