

Title (en)

LIFTING DEVICE FOR FULLY PLANING OR SEMI-PLANING WATERCRAFTS

Title (de)

HUBVORRICHTUNG FÜR VOLLGLEITENDE ODER HALBGLEITENDE WASSERFAHRZEUGE

Title (fr)

DISPOSITIF DE LEVAGE DESTINE A DES BATEAUX PLANANTS OU SEMI-PLANANTS

Publication

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Application

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Priority

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- IT LU20030002 U 20030110

Abstract (en)

[origin: WO2004062999A1] A lifting device (10) for watercrafts of the fully planing or semiplaning type provides at least a transversal element (15) constrained to the bottom (25) by means of supports orthogonal to the waterline (8) and suitable to increase the hydrodynamic lift acting on the bottom (25). The position of the device (10) may be under the barycentre (5) or slightly shifted from it, and generates, when in navigation at a sufficient speed (4), an additional hydrodynamic lift (6), which adds to the hydrodynamic lift (3) on the bottom and to the hydrostatic lift (2) for balancing the weight of the watercraft. The transversal element (15) is arranged substantially parallel to the watercraft bottom (25), so that in fully planing or semi-planing conditions it is inclined with respect to the speed (4) of the watercraft. This way it is possible to reduce the amount of water displaced during navigation and to supply a steady hydrodynamic lift.

IPC 8 full level

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CPC (source: EP US)

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