

Title (en)

ARRANGEMENT OF HYDROFOILS FOR A CATAMARAN

Publication

EP 0094673 B1 19860903 (DE)

Application

EP 83104824 A 19830517

Priority

ZA 823455 A 19820519

Abstract (en)

[origin: CA1198938A] BOAT The invention discloses a catamaran type boat having two similar boat demi-hulls which are spaced apart and which are substantially parallel, each demi-hull having a base line (BL). The boat further includes a superstructure connecting the two demi-hulls transversely; an open space in the form of a tunnel defined between the superstructure and the two demi-hulls; a longitudinal centre of gravity position (LCG) for the boat; at least one trim hydrofoil having a chord line (CL) extending between its leading edge and trailing edge and being located in the stern region of the boat and extending at least partially across the tunnel; and attachment means for attaching all hydrofoils to the demi-hulls substantially along a transverse plane (TP) which is substantially at right angle to the longitudinal vertical centre plane of the boat, and having an angle of between 1.degree. and 7.degree. to the base line (BL) of the demi-hulls at the main foil, and with the hydrofoil chord lines (Cl) being at an angle of between 0.degree. and 6.degree. to the transverse plane (TP).

IPC 1-7

B63B 1/26; **B63B 1/12**

IPC 8 full level

B63B 1/12 (2006.01); **B63B 1/24** (2006.01); **B63B 1/26** (2006.01)

CPC (source: EP US)

B63B 1/042 (2013.01 - EP US); **B63B 1/248** (2013.01 - EP US)

Cited by

EP0199145A1; GB2509484A; GB2509484B; DE19752170C2; FR3115523A1; US7908989B2; WO2014068121A1; WO2014068115A1; WO2008053149A1; WO2022084530A1

Designated contracting state (EPC)

BE CH DE FR IT LI NL SE

DOCDB simple family (publication)

EP 0094673 A2 19831123; **EP 0094673 A3 19841128**; **EP 0094673 B1 19860903**; AU 1439783 A 19831124; AU 553436 B2 19860717; CA 1198938 A 19860107; DE 3365824 D1 19861009; GB 2121731 A 19840104; GB 2121731 B 19860514; GB 8313434 D0 19830622; US 4606291 A 19860819

DOCDB simple family (application)

EP 83104824 A 19830517; AU 1439783 A 19830510; CA 427969 A 19830512; DE 3365824 T 19830517; GB 8313434 A 19830516; US 49270383 A 19830509