

Title (en)
METHOD FOR CONTROLLING THE POSITION OF A HYDROFOIL, HYDROFOIL AND APPARATUS FOR CONTROLLING THE POSITION OF SAID HYDROFOIL

Title (de)
VERFAHREN ZUR STEUERUNG DER POSITION EINES HYDROFOILS, HYDROFOIL UND VORRICHTUNG ZUR STEUERUNG DER POSITION DES BESAGTEN HYDROFOILS

Title (fr)
PROCÉDÉ DE COMMANDE DE LA POSITION D'UN HYDROPTÈRE, HYDROPTÈRE ET APPAREIL DE COMMANDE DE LA POSITION DE CET HYDROPTÈRE

Publication
EP 3885246 A1 20210929 (EN)

Application
EP 21164693 A 20210324

Priority
IT 202000006181 A 20200324

Abstract (en)
Method for controlling the position of a hydrofoil (1), such method providing for a detection step, in which at least one flow sensor (6) detects at least one speed measurement of a water flow movable along a transverse direction (F) and generates a corresponding flow signal (SF), a first calculation step, in which an electronic control unit (7) receives the flow signal (SF) and calculates a corresponding difference of lift (ΔP) between a first lift force (P1) of a port appendage (4') and the second lift force (P2) of a starboard appendage (4"), a second calculation step, in which the electronic control unit (7) calculates a movement position (PM) in which each appendage (4) is moved, in which the difference of lift (ΔP) is substantially zero, a driving step, in order to drive the actuator means (5) to move each appendage (4), a movement step in which the actuator means (5) move each appendage (4) in order to reach the corresponding movement position (PM) independently with respect to the other of the two appendages (4).

IPC 8 full level
B63B 1/28 (2006.01)

CPC (source: EP)
B63B 1/285 (2013.01)

Citation (applicant)

- US 3886884 A 19750603 - STARK DONALD R, et al
- US 2007157864 A1 20070712 - ALDIN GERARD [FR], et al
- US 3156209 A 19641110 - ASK HENRY R

Citation (search report)

- [XDI] US 2007157864 A1 20070712 - ALDIN GERARD [FR], et al
- [AD] US 3156209 A 19641110 - ASK HENRY R

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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