

Title (en)

Oscillating foil propulsion system and method for controlling a motion of an oscillating movable foil

Title (de)

Oszillierendes Folienantriebssystem und Verfahren zur Steuerung einer Bewegung einer oszillierenden beweglichen Folie

Title (fr)

Système de propulsion à aile oscillante et procédé pour commander un mouvement d'une feuille mobile oscillante

Publication

EP 2944558 A1 20151118 (EN)

Application

EP 14168271 A 20140514

Priority

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Abstract (en)

The invention relates to an oscillating foil propulsion system (1) comprising a movable foil (2), a pitch mechanism (5) connected to the movable foil (2) and configured to control a pitch motion of the foil (2), a heave mechanism (6) connected to the movable foil (2) and configured to control a heave motion of the foil (2), and wherein at least one of the pitch (5) and heave mechanisms (6) is configured to adjust an amplitude of the respective motion of the movable foil (2). The invention further relates to a method for controlling a motion of an oscillating movable foil (2) of a marine propulsion system (1).

IPC 8 full level

B63H 1/36 (2006.01)

CPC (source: EP US)

B63H 1/36 (2013.01 - EP US)

Citation (applicant)

US 2011255971 A1 20111020 - GORIS BAS [NL], et al

Citation (search report)

- [XYI] WO 2011115475 A2 20110922 - GORIS BAS DOING BUSINESS AS OSCILLATING FOIL DEV [NL], et al
- [YA] US 2009191772 A1 20090730 - WU CHUN-KAI [TW]
- [XAI] YONGHUI HU YONGHUI HU ET AL: "Development and control of dolphin-like underwater vehicle", 2013 AMERICAN CONTROL CONFERENCE, 13 June 2008 (2008-06-13), pages 2858 - 2863, XP055151631, ISSN: 0743-1619, ISBN: 978-1-47-990177-7, DOI: 10.1109/ACC.2008.4586927

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