

Title (en)
AQUATIC PROPULSION BY MEANS OF OSCILLATING FINS

Title (de)
WASSERANTRIEB MITTELS OSZILLIERENDER FLOSSEN

Title (fr)
PROPULSION AQUATIQUE À AILETTES OSCILLANTES

Publication
EP 2746147 A4 20151202 (EN)

Application
EP 12824208 A 20120814

Priority
• ES 201100981 A 20110817
• ES 2012070626 W 20120814

Abstract (en)
[origin: EP2746147A1] The proposed aquatic propulsion means use oscillating blades (1, 2, 3, 4, 5) with independent vertical shafts (9) that are parallel to one another and that are attached at the upper end thereof to a single flat horizontal oar (11), said blades or fins being of different length depending on the distance between the attachment point of the axis of oscillation thereof and the shaft (12a) about which the oar rotates. Propulsion is generated when the user applies muscle force, traction or thrust, to either of the two handles (16) provided at each end of the handlebars (14), or in opposite directions on both simultaneously, said movement being transmitted to the rotary shaft (12a) and then to the profile (11) on which the fins are arranged, forcing them to move transversely and alternately in both directions, thereby moving the water and propelling the floating vehicle, object or swimmer in the desired direction, which corresponds to the midpoint of the oscillating stroke of the oar (11).

IPC 8 full level
B63H 1/36 (2006.01); **B63H 16/18** (2006.01)

CPC (source: EP US)
B63H 1/32 (2013.01 - US); **B63H 1/36** (2013.01 - EP US); **B63H 16/18** (2013.01 - EP US)

Citation (search report)
• [A] US 233209 A 18801012
• [A] WO 2008129104 A1 20081030 - HUGUET CASALI MIGUEL [ES]
• [A] GB 474512 A 19371102 - SHIRO CHIBA
• [A] US 4172427 A 19791030 - KINDRED WILLIAM B [US]
• See references of WO 2013024195A1

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

Designated extension state (EPC)
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