

Title (en)
OPEN SEA HYDROFOIL CRAFT

Title (de)
TRAGFLÜGELBOOT FÜR DAS OFFENE MEER

Title (fr)
HYDROPTERE DE HAUTE MER

Publication
EP 1922245 A1 20080521 (EN)

Application
EP 06779668 A 20060817

Priority
• GR 2006000041 W 20060817
• GR 20050100431 A 20050817

Abstract (en)
[origin: WO2007020480A1] An open sea hydrofoil craft comprising a hull (A) with lateral vertically oriented blades (B1,B2) extending longitudinally along the two sides thereof, the interior surfaces of blades (B1,B2) lying one opposite the other being planar and defining in between them an initially convergent and subsequently divergent water flow channel, whilst their exterior surfaces have a curved configuration that dynamically changes in three dimensions (x, y, z) with variable angular parameter ($F_{1</SUB>}$) formed by the bottom of blades (B1,B2) with (y) axis, ($F_{2</SUB>}$) formed by the curved section of the exterior surfaces of blades (B1,B2) with (z) axis and ($F_{3</SUB>}$, $F_{4</SUB>}$) formed by an arcuate lateral edge (20) of blades (B1,B2) with (x) axis. Lift producing foils (C1,C2,C3) with a hydrofoil section are provided within the channel formed in between blades (B1,B2), these lift producing foils (C1,C2,C3) being connected to the hull (A) by means of supporting plates (C1', C2', C3') respectively.

IPC 8 full level
B63B 1/12 (2006.01); **B63B 1/24** (2006.01)

CPC (source: EP GR KR US)
B63B 1/12 (2013.01 - KR); **B63B 1/121** (2013.01 - EP GR KR US); **B63B 1/20** (2013.01 - GR KR); **B63B 1/24** (2013.01 - KR); **B63B 1/248** (2013.01 - EP GR KR US); **B63B 34/40** (2020.02 - KR); **B63B 34/40** (2020.02 - EP GR US); **B63B 2001/128** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2007020480A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007020480 A1 20070222; CN 101242988 A 20080813; EP 1922245 A1 20080521; GR 1005344 B 20061030; KR 20080043357 A 20080516; US 2010089303 A1 20100415

DOCDB simple family (application)
GR 2006000041 W 20060817; CN 200680029891 A 20060817; EP 06779668 A 20060817; GR 20050100431 A 20050817; KR 20087006420 A 20080317; US 98966606 A 20060817