

Title (en)
PROPULSION AND STEERING SYSTEM FOR A BOAT

Title (de)
BOOTANTRIEB- UND STEUERUNGSSYSTEM FÜR BOOT

Title (fr)
SYSTÈME DE PROPULSION ET DE DIRECTION POUR BATEAU

Publication
EP 3511239 A1 20190717 (EN)

Application
EP 18151110 A 20180110

Priority
EP 18151110 A 20180110

Abstract (en)
The invention seeks an alternative to known foot-powered watercraft which provides the same or similar effects or is more cost-effective. The problem is solved by a first toothed belt (11), pivotable steering handles (12), first crown gears (14), a second crown gear (15), and a pivotable propeller assembly (19), wherein each of the handles (12) is coupled to one of the first crown gears (14), the first toothed belt (11) forms a closed loop connecting the first crown gears (14) to the second crown gear (15), and the second crown gear (15) is coupled to the propeller assembly (19).

IPC 8 full level
B63H 25/08 (2006.01); **B63H 16/16** (2006.01)

CPC (source: EP US)
B63H 16/16 (2013.01 - EP US); **B63H 25/08** (2013.01 - EP)

Citation (applicant)
• US 6210242 B1 20010403 - HOWARD HARRY [US], et al
• BROOKS, ALEC N. ET AL.: "Human-powered Watercraft", SCI. AM., vol. 255, no. 6, December 1986 (1986-12-01), pages 120 - 131

Citation (search report)
• [Y] US 4795381 A 19890103 - WILLEMS KAREL [NL]
• [Y] DE 4237819 A1 19940511 - SCHIMANEK KARL [DE]
• [A] WO 2015023003 A2 20150219 - MUCHUMA THADDAEUS LEBANON [KE]
• [A] US 2010203778 A1 20100812 - KETTERMAN GREGORY S [US], et al

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)
BA ME

DOCDB simple family (publication)
EP 3511239 A1 20190717

DOCDB simple family (application)
EP 18151110 A 20180110