

Title (en)
WATERJET PROPULSION APPARATUS

Title (de)
WASSERSTRAHLANTRIEBSVORRICHTUNG

Title (fr)
APPAREIL DE PROPULSION À JET D'EAU

Publication
EP 3581246 A1 20191218 (EN)

Application
EP 19179798 A 20190612

Priority
GB 201809698 A 20180613

Abstract (en)
A waterjet propulsion apparatus comprising a motor (7), an impeller (6) driven by the motor (7) via a drive shaft (8), and a power source. A fluid flow-path (10) is formed through the apparatus, the flow-path (10) extending from at least one fluid inlet (9), through two propulsion passages (3), each propulsion passage (3) extending from a propulsion inlet to an outlet (4) located at a rear end of the apparatus. The impeller (6) is located within the flow-path (10), after the at least one fluid inlet (9), and before the propulsion inlet of the each of the propulsion passages (3). The motor (7) is located outside of the flow-path (10), between the two propulsion passages (3), and behind the impeller (6). The apparatus is advantageous in that it provides a compact and lightweight construction that can, for example, be used as part of a personal marine propulsion device (1) that can be used by an individual.

IPC 8 full level
A63B 35/12 (2006.01); **B63B 35/73** (2006.01); **B63C 11/46** (2006.01); **B63H 11/01** (2006.01); **B63H 11/103** (2006.01)

CPC (source: EP GB US)
A63B 35/12 (2013.01 - EP); **B63B 32/10** (2020.02 - GB); **B63B 34/10** (2020.02 - GB); **B63C 11/46** (2013.01 - EP GB US); **B63H 11/01** (2013.01 - EP); **B63H 11/08** (2013.01 - GB US); **B63H 11/103** (2013.01 - EP); **B63H 2011/081** (2013.01 - EP GB)

Citation (search report)

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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 3581246 A1 20191218; AU 2019204142 A1 20200116; GB 201809698 D0 20180801; GB 2574641 A 20191218; GB 2574641 B 20200902; US 2019382089 A1 20191219

DOCDB simple family (application)
EP 19179798 A 20190612; AU 2019204142 A 20190613; GB 201809698 A 20180613; US 201916439231 A 20190612