

Title (en)  
Boat hydrofoil

Title (de)  
Boottragflügel

Title (fr)  
Hydroptère

Publication  
**EP 2894090 A1 20150715 (EN)**

Application  
**EP 15151097 A 20150114**

Priority  
GB 201400558 A 20140114

Abstract (en)  
A hydrofoil (100) for a boat (110) comprises a first section (102) for providing a first hydrodynamic force and a second section (104) for providing a second hydrodynamic force. The hydrofoil (100) is connectable to a boat (110) such that the first section (102) extends generally downwards away from a hull (108) of the boat (110) and towards the centreline (112) of the boat (110) and the second section (104) extends under the first section (102) and generally away from the centreline (112) of the boat (110). The hydrofoil (100) can provide stable boat ride height, good boat stability, and increased lift for a given width of hydrofoil (100).

IPC 8 full level  
**B63B 1/24** (2006.01); **B63B 1/28** (2006.01)

CPC (source: EP GB US)  
**B63B 1/248** (2013.01 - EP GB US); **B63B 1/285** (2013.01 - EP GB US); **B63B 1/30** (2013.01 - EP GB US); **B63B 2001/281** (2013.01 - EP GB US)

Citation (search report)

- [X] EP 0118737 A2 19840919 - HITACHI SHIPBUILDING ENG CO [JP]
- [X] FR 2972172 A1 20120907 - NC RACE BOATS [FR]
- [X] DE 102009050823 A1 20110428 - HEINIG JUERGEN [DE]
- [X] CH 635040 A5 19830315 - CHVOJKA GEORG JIRI [CH]
- [X] US 3094960 A 19630625 - LANG THOMAS G
- [X] US 2906229 A 19590929 - BOERICKE JR HAROLD
- [X] US 3651775 A 19720328 - KOCK HELMUT
- [X] DE 10306460 A1 20040826 - FLEMMING JOERG [DE]
- [A] US 1410875 A 19220328 - GRAHAM BELL ALEXANDER, et al

Cited by  
FR3051433A1; US11577806B2; US10875606B2; WO2019064106A1

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)  
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