

Title (en)  
Device for floating in the towing wake of a ship.

Title (de)  
Gerät zum Schwimmen im Schlepp eines Bootes.

Title (fr)  
Traîneau aquatique remorqué par un bateau.

Publication  
**EP 0309024 A1 19890329 (DE)**

Application  
**EP 88201924 A 19880816**

Priority  
DE 8712281 U 19870910

Abstract (en)  
[origin: US4973279A] PCT No. PCT/EP88/00729 Sec. 371 Date Jun. 19, 1989 Sec. 102(e) Date Jun. 19, 1989 PCT Filed Aug. 16, 1988 PCT Pub. No. WO89/02391 PCT Pub. Date Mar. 23, 1989. The appliance for assisting a swimmer in swimming, floating and being towed by a boat, includes a substantially board-shaped floating body having a leading edge and a trailing edge each of which have a V-shaped cross section. The floating body has a glass panel with a transverse reinforcing web mounted centrally therein so that the swimmer can observe through the floating body. The floating body has two longitudinal sides each having a handle in the shape of an arcuate protrusion projecting therefrom. Each of the handles is located in the middle of its longitudinal side, and the longitudinal sides are divided by a central transverse axis, each of the handles having a through-going handle opening positioned between the transverse axis and the leading edge. Fastening means, such as screws, are provided on each handle and a tow rope is attached to each of the fastening means by one of its two ends. The middle portion of the rope is attachable to the boat, preferably by a trailing rope from the boat, so that the swimmer may be towed by the boat while executing lateral gliding motions or diving below the water's surface.

Abstract (de)  
Das Gerät besteht aus einem brettförmigen Schwimmkörper von einer quadratischen Grundform mit seitlichen Griffteilen, wo der Schwimmer anfaßt. Dazu gehört ein Kupplungsseil, dessen Enden jeweils an einem Griffteil befestigt sind und dessen Scheitel am Schleppseil eines Bootes angekuppelt wird. Wenn das Boot fährt, kann der Schwimmer durch eine Drehung oder Schwenkung des Schwimmkörpers wie ein Wasserskiläufer nach links oder rechts ausscheren, aber auch streckenweise tauchen. Dabei hat der Schwimmer durch eine Glasscheibe Einsicht in die Unterwasserwelt.

IPC 1-7  
**B63C 11/46**

IPC 8 full level  
**B63C 11/46** (2006.01)

CPC (source: EP US)  
**B63B 34/63** (2020.02 - EP US); **B63C 11/46** (2013.01 - US); **B63B 34/54** (2020.02 - EP US); **B63C 2011/028** (2013.01 - EP)

Citation (search report)  
• [X] FR 2467139 A1 19810417 - CANECAUDE EMMANUEL DE [FR]  
• [A] US 3107640 A 19631022 - LEPINE LOUIS T, et al  
• [A] US 3163148 A 19641229 - DUREN HOWARD C, et al  
• [A] US 3039415 A 19620619 - FOSTER FRANZ M  
• [A] US 3084653 A 19630409 - LEPINE LOUIS T, et al

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ES2081738A2

Designated contracting state (EPC)  
ES GR

DOCDB simple family (publication)  
**US 4973279 A 19901127**; AT E69775 T1 19911215; AU 2326088 A 19890417; AU 605361 B2 19910110; DE 3866493 D1 19920109; DE 8712281 U1 19871022; EP 0309024 A1 19890329; EP 0309024 B1 19911127; EP 0329746 A1 19890830; ES 2028995 T3 19920716; GR 3003882 T3 19930316; JP H02500902 A 19900329; WO 8902391 A1 19890323

DOCDB simple family (application)  
**US 35443989 A 19890619**; AT 88201924 T 19880816; AU 2326088 A 19880816; DE 3866493 T 19880816; DE 8712281 U 19870910; EP 8800729 W 19880816; EP 88201924 A 19880816; EP 88907290 A 19880816; ES 88201924 T 19880816; GR 920400304 T 19920225; JP 50535688 A 19880816