

Title (en)

Water drawing and guiding device for jet-propelled gliding boats.

Title (de)

Wassereinlass- und -leitvorrichtung für strahlangetriebene Gleitboote.

Title (fr)

Dispositif d'admission et guidage d'eau pour bateaux planeurs propulsés par jet.

Publication

EP 0465908 A1 19920115 (EN)

Application

EP 91110377 A 19910624

Priority

JP 18317890 A 19900710

Abstract (en)

The present invention relates to a water drawing and guiding device for jet-propelled gliding boats, wherein a scope gate for preventing entry of floating obstacles is attached to a water intake port formed in the bottom surface of the boat body, and the water drawn from the water intake port is accelerated by an impeller housed in a water intake duct and spouted rearwardly of the boat body, the water drawing and guiding device being characterized in that: the scope gate is made of elastic transparent or translucent engineering plastic material into the form of a longitudinally elongated rectangle having a pair of attaching seats and a pair of flow regulating vertical walls, the arrangement being such that during the turning of the boat body, the flow regulating vertical walls flex to and fro like plate springs, the main object thereof being to provide an extremely smooth reliable water drawing action without excessively holding back natural water flow moving from the water intake port to the water intake duct or without agitating water to the extent of bubbling or decreasing the flow rate of water, thereby preventing cavitation from taking place in the water intake duct. <IMAGE>

IPC 1-7

B63B 3/66; **B63B 13/02**; **B63B 39/06**; **B63H 11/08**

IPC 8 full level

B63B 3/66 (2006.01); **B63B 13/02** (2006.01); **B63H 11/01** (2006.01); **B63H 11/08** (2006.01)

CPC (source: EP)

B63B 3/66 (2013.01); **B63B 13/02** (2013.01); **B63H 11/01** (2013.01)

Citation (search report)

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- [A] EP 0269222 A1 19880601 - HERCO DAVID LTD [GB]

Designated contracting state (EPC)

BE DE DK FR GB IT NL SE

DOCDB simple family (publication)

EP 0465908 A1 19920115; AU 7920291 A 19920116; CA 2044349 A1 19920111; JP H0471993 A 19920306

DOCDB simple family (application)

EP 91110377 A 19910624; AU 7920291 A 19910620; CA 2044349 A 19910611; JP 18317890 A 19900710