

Title (en)
MULTIPLE HULL AIR RIDE BOAT.

Title (de)
LUFTKISSEN-WASSERFAHRZEUG MIT MEHREREN RÜMPFEN.

Title (fr)
EMBARCATION A COUSSINS D'AIR A COQUE MULTIPLE.

Publication
EP 0592592 A4 19941228 (EN)

Application
EP 92915379 A 19920622

Priority
• US 9205300 W 19920622
• US 72888791 A 19910710
• US 87138792 A 19920421

Abstract (en)
[origin: WO9301082A1] A marine surface vessel (37) that includes pressurized supporting gas cushions in multiple hulls where such pressurized supporting gas cushion support a majority of boat weight in operation. One embodiment of the invention utilizes long fine pointed bow sidehulls (95, 96) that are in mechanical communication with a connecting hull structure (99). The vessel (37) also includes a center bow (38) disposed between the sidehulls (95, 96) that adds to stability in rough seas. Recesses (58, 59, 60) in the sidehulls (95, 96) include fixed (88-90) and movable seals (51-56). A recess gas pressurization system includes a controller (79) to control pressures in individual recesses (58, 59, 60). A further feature is the use of vertically oriented vented steps (49) in the sides of the sidehulls (95, 96) to reduce wetted area drag when operating in rough seas. One other feature is the use of air flow turbulence generators (39) on the underside of the connecting hull structure (79).

IPC 1-7
B63B 1/38

IPC 8 full level
B60V 1/08 (2006.01); **B60V 1/00** (2006.01); **B60V 1/04** (2006.01); **B60V 1/14** (2006.01); **B60V 3/06** (2006.01); **B63B 1/32** (2006.01); **B63B 1/38** (2006.01)

IPC 8 main group level
B63B (2006.01)

CPC (source: EP)
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Citation (search report)
• [XY] EP 0271372 A1 19880615 - DE PINGON PIERRE JOSEPH
• [Y] FR 2566734 A1 19860103 - GONZALEZ CASTRO JOSE ANTONIO [ES]
• [XP] "A no-skirts SES hybrid", SHIP & BOAT, no. 4, May 1992 (1992-05-01), LONDON, pages 35, XP000268630
• See references of WO 9301082A1

Designated contracting state (EPC)
BE DE DK ES FR GB GR IT NL SE

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WO 9301082 A1 19930121; AU 2303092 A 19930211; AU 654040 B2 19941020; BR 9206261 A 19951017; CN 1034115 C 19970226; CN 1068300 A 19930127; EP 0592592 A1 19940420; EP 0592592 A4 19941228; FI 940076 A0 19940107; FI 940076 A 19940107; IL 102341 A 19951127; JP H06508804 A 19941006; MX 9204028 A 19930201; MY 107994 A 19960715; NO 940067 D0 19940107; NO 940067 L 19940307; NZ 243473 A 19951127; SG 46712 A1 19980220; TW 221399 B 19940301

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US 9205300 W 19920622; AU 2303092 A 19920622; BR 9206261 A 19920622; CN 92105569 A 19920710; EP 92915379 A 19920622; FI 940076 A 19940107; IL 10234192 A 19920626; JP 50223993 A 19920622; MX 9204028 A 19920709; MY P119921161 A 19920710; NO 940067 A 19940107; NZ 24347392 A 19920708; SG 1996009059 A 19920622; TW 82100019 A 19930104