

Title (en)
Boat with a bow door.

Title (de)
Boot mit einer Bugklappe.

Title (fr)
Bateau avec porte d'étrave.

Publication
EP 0438032 B1 19950301 (DE)

Application
EP 90811019 A 19901221

Priority
• CH 13490 A 19900118
• CH 235590 A 19900713

Abstract (en)
[origin: CA2034150A1] The boat has a flap (1) forming a part of its V- or spoon-shaped bow and being unfoldable therefrom. This flap is supported by means of projections (9a, 9b) arranged on both of its sides on swivel joints (13a, 13b) set back into the inside of the boat with respect to the inner wall of the bow. Upon pivoting the flap (1) out of the bow opening (15), the flap is swung away from the bow wall portion with the uncovering of an interspace (2) between the flap and the bow wall portion which latter lies underneath the bow opening (15). The flap outside wall can be urged underneath the surface of the water and can be fixed in its position. The flap (1) is designed as a buoyant member. One of the advantages of the boat according to this invention resides in that its flap (1), serving as a working or recreational platform, etc., can be folded back into the bow of the boat in such a way that the hydro-and aerodynamic properties as well as the aesthetic appearance of the bow are impaired. The boat according to this invention can thus be utilized, without restriction of its full functional ability, as a rescue boat, salvage boat, pleasure boat, and speedboat. The configuration of the flap (1) acting as a buoyant member makes its use possible without impairing the stability of the boat; in the unfolded condition, this configuration even enhances the capsizing stability of the boat. Furthermore, the design of the boat hull is such that the stern engines, when a curve is traversed, do not leave the water (4), and the boat exhibits a very high capsizing stability. (Figure 3)

IPC 1-7
B63B 1/04; **B63B 27/14**; **B63C 9/02**

IPC 8 full level
B63B 3/00 (2006.01); **B63B 19/08** (2006.01); **B63B 27/14** (2006.01)

CPC (source: EP US)
B63B 19/08 (2013.01 - EP US); **B63B 27/143** (2013.01 - EP US); **B63B 2019/083** (2013.01 - EP US)

Citation (examination)
• GB 190915977 A 19100707 - THORNYCROFT JOHN ISAAC, et al
• GB 190912107 A 19100523 - FAUBER WILLIAM HENRY [FR]

Cited by
EP2360088A1; US8490561B2; DE202022101538U1; WO2023180411A1

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

DOCDB simple family (publication)
EP 0438032 A2 19910724; **EP 0438032 A3 19911106**; **EP 0438032 B1 19950301**; AT E119114 T1 19950315; AU 643739 B2 19931125; AU 6927491 A 19910725; CA 2034150 A1 19910719; DE 59008592 D1 19950406; FI 910233 A0 19910116; FI 910233 A 19910719; JP 3115613 B2 20001211; JP H04297391 A 19921021; NO 910185 D0 19910116; NO 910185 L 19910719; TR 25510 A 19930501; US 5191854 A 19930309

DOCDB simple family (application)
EP 90811019 A 19901221; AT 90811019 T 19901221; AU 6927491 A 19910110; CA 2034150 A 19910115; DE 59008592 T 19901221; FI 910233 A 19910116; JP 399691 A 19910117; NO 910185 A 19910116; TR 891 A 19910117; US 63832791 A 19910107