

Title (en)  
MARINE VESSEL HAVING A HULL INCORPORATING A DOOR

Title (de)  
SCHIFF MIT EINEM RUMPF MIT EINER TÜR

Title (fr)  
NAVIRE POSSÉDANT UNE COQUE INTÉGRANT UNE PORTE

Publication  
**EP 3461732 A1 20190403 (EN)**

Application  
**EP 18020467 A 20180926**

Priority  
GB 201715560 A 20170926

Abstract (en)  
A marine vessel having a door incorporated into a hull of the vessel, the marine vessel comprising a hull, a door opening provided in the hull and extending between an exterior surface of the hull and an area within the hull, and a door, wherein the door is hingedly mounted to the hull within the door opening by a hinge mechanism having a hinge axis which extends laterally across the door between opposite sides of the door, the door being pivotally movable about the hinge axis between a closed position in which a periphery of the door is surrounded by a door frame of the door opening and an open position in which the door is in a substantially horizontal orientation and extends outwardly away from the exterior surface of the hull, wherein the hinge mechanism has first and second hinge elements extending outwardly from respective opposite sides of the door into respective hinge mounts within the hull, an inner face of the door has a pair of sockets with open ends oriented towards the inner face of the door, each socket being located in the vicinity of both an upper or lower edge of the door and a respective one of the opposite sides of the door, and a pair of retractable pin mechanisms fitted to the hull, each retractable pin mechanism comprising a pin, which is movable within a housing fitted to the door frame, between a retracted position, in which the pin is located substantially within the door frame, and an extended position, in which the pin extends forwardly from the door frame in a transverse direction oriented towards the exterior surface of the hull and, when the door is in the closed position, is received within a respective socket to form a structural load-bearing assembly therebetween, and an actuator mechanism for moving the pins between the retracted and extended positions.

IPC 8 full level  
**B63B 19/08** (2006.01)

CPC (source: EP GB)  
**B63B 19/08** (2013.01 - EP GB); **B63B 2019/0053** (2013.01 - GB); **B63B 2019/0084** (2013.01 - EP)

Citation (search report)  
• [A] CN 105109623 A 20151202 - JIANGSU FENGHUANG MARINE EQUIPMENT MFG CO LTD  
• [A] EP 2796361 A1 20141029 - FERRETTI SPA [IT]

Cited by  
CN109911117A

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)  
**EP 3461732 A1 20190403**; **EP 3461732 B1 20200527**; GB 201715560 D0 20171108; GB 2566746 A 20190327; GB 2566746 B 20191127

DOCDB simple family (application)  
**EP 18020467 A 20180926**; GB 201715560 A 20170926