

Title (en)

Automatic activator.

Title (de)

Automatische Betätigungsvorrichtung.

Title (fr)

Dispositif à activation automatique.

Publication

EP 0598601 A1 19940525 (EN)

Application

EP 93309156 A 19931117

Priority

GB 9224184 A 19921118

Abstract (en)

The invention comprises a trigger mechanism for use in marine applications for example to control the release of liferafts from ships, or for controlling the inflation of liferafts and life jackets. The mechanism is two stage in operation in that a first sense and respond device must be operated before a second sense and respond device is operated, and the second sense and response device is of the moisture or water presence controlled type. The first sense and response device is of such a nature to prevent water from reaching the second sense and response device until the first device is triggered. Specifically, the first device includes a membrane which is ruptured when subjected to water pressure so that the water can flow through the ruptured membrane and actuate the second device. Thus, if the mechanism is part of something which falls or is thrown into the sea, the pressure of the sea water deflects and causes rupture of the membrane and the sea water flows through the membrane and actuates the second device and the liferaft is released or the jacket or raft is inflated automatically as the case may be. <IMAGE>

IPC 1-7

B63C 9/19; **B63C 9/22**

IPC 8 full level

B63C 9/19 (2006.01); **B63C 9/22** (2006.01)

CPC (source: EP)

B63C 9/22 (2013.01); **B63C 9/24** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0598601 A1 19940525; GB 9224184 D0 19930106

DOCDB simple family (application)

EP 93309156 A 19931117; GB 9224184 A 19921118