

Title (en)
Automatic inflating arrangement for floatable life-saving device

Title (de)
Selbsttätige Aufblasvorrichtung für schwimmfähige Rettungsgeräte

Title (fr)
Dispositif de gonflage automatique pour appareil flottant de sauvetage

Publication
EP 1036733 B1 20030625 (DE)

Application
EP 00105244 A 20000313

Priority
• DE 29904651 U 19990313
• DE 29914503 U 19990818

Abstract (en)
[origin: US6254447B1] An inflation device is provided which is inflatable upon impact by water for marine flotation life preservers, wherein the tip of a striking pin is moved by means of a plunger which is driven by igniting a pyrotechnic charge in the direction of the sealing membrane of a pressure gas cartridge and against the force of a spring, and wherein the tip of the striking pin and the sealing membrane are of electrically conducting material, and wherein during a ready position of the device, the tip of the striking pin bears against the sealing membrane of the pressure gas cartridge and wherein the tip and the sealing membrane are in electrical connection with an indicator unit to form a closed electrical circuit, whereby the presence of an intact sealing membrane of the pressure gas cartridge, or the absence thereof, is detectable.

IPC 1-7
B63C 9/19

IPC 8 full level
B63C 9/18 (2006.01); **B63C 9/19** (2006.01)

CPC (source: EP US)
B63C 9/18 (2013.01 - EP US); **B63C 9/19** (2013.01 - EP US); **B63C 2009/0064** (2013.01 - EP US)

Cited by
CN103991524A

Designated contracting state (EPC)
DE FR GB GR IT

DOCDB simple family (publication)
US 6254447 B1 20010703; EP 1036733 A2 20000920; EP 1036733 A3 20001206; EP 1036733 B1 20030625

DOCDB simple family (application)
US 52371400 A 20000313; EP 00105244 A 20000313