

Title (en)
ADJUSTABLE BUOYANCY DEVICE

Title (de)
VORRICHTUNG MIT EINSTELLBAREM AUFTRIEB

Title (fr)
DISPOSITIF DE FLOTTABILITÉ RÉGLABLE

Publication
EP 2222547 B1 20120606 (FR)

Application
EP 07871874 A 20071204

Priority
• FR 2007052438 W 20071204
• FR 0610839 A 20061212

Abstract (en)
[origin: FR2909635A1] The device has a float (11) with an elastic and flexible membrane (23) filled with gas. Pressure of the float is regulated according to immersion depth. The membrane defines a predetermined internal gas volume (29) based on the elasticity of the membrane and internal pressure of the volume with respect to external ambient pressure (33). An expansion valve and discharger regulator (20) assures the supply and the purging of the gas towards the volume of the float.

IPC 8 full level
B63C 11/30 (2006.01); **B63C 11/22** (2006.01)

CPC (source: EP US)
B63C 11/2245 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2909635 A1 20080613; FR 2909635 B1 20090306; EP 2222547 A2 20100901; EP 2222547 B1 20120606; ES 2389273 T3 20121024; US 2010304629 A1 20101202; US 8517635 B2 20130827; WO 2008081127 A2 20080710; WO 2008081127 A3 20081127

DOCDB simple family (application)
FR 0610839 A 20061212; EP 07871874 A 20071204; ES 07871874 T 20071204; FR 2007052438 W 20071204; US 74571610 A 20100818