

Title (en)
BREATH-HOLD DIVING LIFE-JACKET

Title (de)
RETTUNGSWESTE FÜR TAUCHEN MIT ANGEHALTENEM ATEM

Title (fr)
GILET DE SAUVETAGE POUR PLONGEE EN APNEE

Publication
EP 1689637 A1 20060816 (EN)

Application
EP 04769071 A 20041004

Priority
• HR 2004000032 W 20041004
• HR P20030827 A 20031013

Abstract (en)
[origin: WO2005035356A1] The breath-take diving life jacket (1) is provided with air bags (2 and 3) that, when inflated, keep the diver's head above the water surface. The life jacket inflates automatically, wherefore at beginning of the immersion the electronic device (8) detects increase of the outer pressure and activates itself. When the outer pressure falls below a certain value, the electronic device detects surfacing and automatically starts the countdown. At this moment the diver (15) is at the surface and, if conscious, he switches the countdown off by pressing the manual switch (12). If, after a certain period of time, the diver did not press the manual switch, the electronic device sounds alarm, lasting a few seconds, that warns the diver that he forgot to switch the timer off. If the diver still does not react, it is highly probably that he is unconscious, and the electronic device automatically activates the compressed air cylinder (7) that inflates the life jacket and positions the diver with his head (16) above the water surface (17).

IPC 8 full level
B63C 9/08 (2006.01); **B63C 9/125** (2006.01); **B63C 11/02** (2006.01)

CPC (source: EP)
B63C 9/1255 (2013.01)

Cited by
CN110053739A; FR2998862A1

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

DOCDB simple family (publication)
WO 2005035356 A1 20050421; AT E361231 T1 20070515; DE 602004006300 D1 20070614; EP 1689637 A1 20060816; EP 1689637 B1 20070502; HR P20030827 A2 20050430

DOCDB simple family (application)
HR 2004000032 W 20041004; AT 04769071 T 20041004; DE 602004006300 T 20041004; EP 04769071 A 20041004; HR P20030827 A 20031013