

Title (en)  
DIVING EQUIPMENT

Title (de)  
TAUCHAUSRÜSTUNG

Title (fr)  
ÉQUIPEMENT DE PLONGÉE

Publication  
**EP 2729354 B1 20200226 (DE)**

Application  
**EP 12728404 A 20120620**

Priority  
• DE 102011107026 A 20110709  
• EP 2012002587 W 20120620

Abstract (en)  
[origin: WO2013007336A2] The invention relates to diving equipment, comprising a compressed air bottle (1) which is connected to a breathing apparatus, and an inflatable jacket (2) via which buoyancy can be balanced by the jacket (2) in normal operation being connected to the compressed air bottle (1) in order to be inflated or to an outlet in order to let off air. Furthermore, a monitoring device (8) is provided, which can be activated via a control valve (23) as a function of a surrounding water pressure and has a time monitoring unit (14) which, after the expiry of a defined time and in the event of the absence of breathing activity in the breathing apparatus, changes to emergency operation and activates an emergency valve (9) via a control line (12), which connects the jacket (2) to the compressed air bottle (1) and therefore forces inflation of the jacket (2). In order now to permit the simplest possible manual influencing of the functions of the control device (8), at least one regulating valve is provided, via the respective actuation of which during a dive the monitoring device (8) and/or the control valve (23) can be influenced. In the event of manual activation in normal operation, the jacket (2) is inflated via the inflation valve (3), and the compressed air is let off via the outlet valve (4).

IPC 8 full level  
**B63C 11/22** (2006.01); **B63C 11/08** (2006.01)

CPC (source: EP US)  
**A62B 7/02** (2013.01 - US); **A62B 9/022** (2013.01 - US); **B63C 11/08** (2013.01 - EP US); **B63C 11/2245** (2013.01 - EP US);  
**B63C 2011/085** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**DE 102011107026 A1 20130110; DE 102011107026 B4 20210930**; CN 103648905 A 20140319; CN 103648905 B 20160817;  
EP 2729354 A2 20140514; EP 2729354 B1 20200226; IL 230368 A 20161229; JP 2014520709 A 20140825; JP 5808489 B2 20151110;  
US 2014283838 A1 20140925; US 9725145 B2 20170808; WO 2013007336 A2 20130117; WO 2013007336 A3 20130620

DOCDB simple family (application)  
**DE 102011107026 A 20110709**; CN 201280033951 A 20120620; EP 12728404 A 20120620; EP 2012002587 W 20120620;  
IL 23036814 A 20140108; JP 2014519438 A 20120620; US 201214131703 A 20120620