

Title (en)

DEVICE AND PROCESS FOR MONITORING A SCUBA DIVE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ÜBERWACHEN EINES TAUCHGANGES

Title (fr)

DISPOSITIF ET PROCEDE POUR LE CONTROLE D'UNE OPERATION DE PLONGEE

Publication

EP 0720560 B1 19970709 (DE)

Application

EP 94927526 A 19940831

Priority

- DE 4332401 A 19930923
- EP 9402895 W 19940831

Abstract (en)

[origin: US5806514A] PCT No. PCT/EP94/02895 Sec. 371 Date May 30, 1996 Sec. 102(e) Date May 30, 1996 PCT Filed Aug. 31, 1994 PCT Pub. No. WO95/08471 PCT Pub. Date Mar. 30, 1995 Device for and method of dive monitoring, wherein the pressure in a diving flask of a breathing equipment and the ambient pressure which the diver is exposed to at the respective water depth are detected. A decompression computing means is used to determine the respective decompression stops which the diver has to observe in surfacing, and how much time surfacing will require altogether. A performance index is derived from the variation of the pressure versus time in the diving flask, which index is a measure of the physical work performed by the diver. This performance index is supplied to the decompression computing means and is considered in the calculation of the total surfacing period.

IPC 1-7

B63C 11/32

IPC 8 full level

B63C 11/32 (2006.01)

CPC (source: EP US)

B63C 11/32 (2013.01 - EP US); **B63C 2011/021** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

US 5806514 A 19980915; AU 689132 B2 19980326; AU 7692694 A 19950410; DE 4332401 A1 19950330; DE 59403324 D1 19970814; EP 0720560 A1 19960710; EP 0720560 B1 19970709; ES 2107250 T3 19971116; JP H09507184 A 19970722; WO 9508471 A1 19950330

DOCDB simple family (application)

US 61947996 A 19960530; AU 7692694 A 19940831; DE 4332401 A 19930923; DE 59403324 T 19940831; EP 9402895 W 19940831; EP 94927526 A 19940831; ES 94927526 T 19940831; JP 50952395 A 19940831