

Title (en)

DEVICE FOR SELF-MONITORING AND DIAGNOSIS WHEN DIVING WITHOUT AN AQUALUNG

Title (de)

VORRICHTUNG FÜR SELBSTÜBERWACHUNG UND DIAGNOSE BEIM TAUCHEN OHNE TAUCHERGERÄT

Title (fr)

DISPOSITIF D'AUTOCONTROLE ET DE DIAGNOSTIC POUR PLONGEUR EN APNEE

Publication

EP 1979227 A1 20081015 (FR)

Application

EP 07717835 A 20070105

Priority

- FR 2007000022 W 20070105
- FR 0600209 A 20060110

Abstract (en)

[origin: WO2007080303A1] The invention relates to a method and device for self-monitoring and diagnosis when diving underwater without an aqualung. To automatically detect a risk of syncope during a dive, the method according to the invention involves analysing the speed of desaturation of the oxygen haemoglobin saturation rate (SpO₂) which is established as a function of the slope of said variation near the rate in question at a given time. The means for recording and measuring the oxygen haemoglobin saturation rate (SpO₂) and the heart rate is contained in a diver's glove, holding it against the relevant part of the body at a temperature sufficient to record a reliable signal pulse.

IPC 8 full level

B63C 11/32 (2006.01); **G08B 21/02** (2006.01)

CPC (source: EP)

B63C 11/32 (2013.01); **B63C 2011/021** (2013.01)

Citation (search report)

See references of WO 2007080303A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2895970 A1 20070713; **FR 2895970 B1 20091204**; EP 1979227 A1 20081015; EP 1979227 B1 20130313; WO 2007080303 A1 20070719

DOCDB simple family (application)

FR 0600209 A 20060110; EP 07717835 A 20070105; FR 2007000022 W 20070105