

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**

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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.

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