

Title (en)
PROCESSES AND DEVICES FOR REGULATING THE PARTIAL PRESSURE OF OXYGEN OF THE GAS MIXTURE IN A RESPIRATORY CIRCUIT OF A DIVER.

Title (de)
VERFAHREN UND VORRICHTUNGEN ZUM REGELN DES PARTIELLEN SAUERSTOFFDRUCKS DER GASMISCHUNG DES ATMUNGSKREISLAUFS EINES TAUCHERS.

Title (fr)
PROCEDES ET DISPOSITIFS POUR REGULER LA PRESSION PARTIELLE D'OXYGENE DU MELANGE GAZEUX DU CIRCUIT RESPIRATOIRE D'UN PLONGEUR.

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EP 0025444 A1 19810325 (FR)

Application
EP 80900493 A 19801008

Priority
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Abstract (en)
[origin: WO8002016A1] Regulation of the oxygen partial pressure in the closed respiratory circuit of a diver. A sample of the circuit gas mixture is continuously taken; it is sent to the watch chamber (2) where the oxygen partial pressure thereof is measured and an electrical control signal is generated if the pressure measured becomes lower than an order value, and said signal is used to provoke an injection to the diver (4) of a determined amount of a gas mixture rich in oxygen. Application to diving in deep water.

Abstract (fr)
Regulation de la pression partielle d'oxygene dans le circuit respiratoire en circuit ferme d'un plongeur. On preleve en continu un echantillon du melange gazeux du circuit; on l'envoie dans la chambre de veille (2) ou l'on mesure sa pression partielle d'oxygene et ou l'on produit un signal electrique de commande si la pression mesuree devient inferieure a une valeur de consigne, et on utilise ce signal pour declencher une injection au plongeur (4) d'une quantite definie d'un melange gazeux riche en oxygene. Application aux plongees en eau profonde.

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