

Title (en)

Portable device for acquisition of oxygen autonomy

Title (de)

Tragbare Vorrichtung zue Bestimmung der Sauerstoffautonomie

Title (fr)

Dispositif portable d'acquisition d'une valeur d'autonomie d'oxygène.

Publication

EP 1065432 A1 20010103 (FR)

Application

EP 00401848 A 20000628

Priority

FR 9908247 A 19990628

Abstract (en)

The device does not depend on a connection to the cylinder, but provides a calculated value for the quantity of gas remaining on the basis of measured parameters. The portable device provides an independent indication of the amount of oxygen remaining in a gas cylinder, whilst the external pressure is constant. It comprises a support (1) carrying at least one table of values, addressed by a cursor as a function of the pressure within the gas cylinder, and a fixed flow rate. A display window (3) shows directly the quantity of oxygen remaining within the cylinder as a function of these two values. The device may operate by use of a slide-rule type device whereby the cursor points to specific figures within a table. Alternatively the device may be an electronic processor with a memory, in which case the pressure and flow rate parameters may be entered via a keypad, and the resulting quantity of oxygen displayed on an electronic display panel.

Abstract (fr)

L'invention concerne un dispositif portable d'acquisition d'une valeur d'autonomie d'oxygène contenu dans une bouteille, la pression extérieure étant constante, caractérisé en ce que le dispositif comprend un support (1) portant au moins une table de valeurs adressée par un curseur (2) en fonction de la pression intérieure P de la bouteille et d'un débit D fixé, et une fenêtre de lecture (3) indiquant directement la valeur d'autonomie d'oxygène de la bouteille pour cette pression intérieure P et ce débit D donnés, et en ce que ledit dispositif est indépendant de la bouteille.

<IMAGE>

IPC 1-7

F17C 13/02

IPC 8 full level

F17C 13/02 (2006.01)

CPC (source: EP)

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Citation (search report)

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