

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 B1 20050316 (FR)

Application

EP 00401848 A 20000628

Priority

FR 9908247 A 19990628

Abstract (en)

[origin: EP1065432A1] 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.

IPC 1-7

F17C 13/02

IPC 8 full level

F17C 13/02 (2006.01)

CPC (source: EP)

F17C 13/02 (2013.01); **F17C 2221/011** (2013.01); **F17C 2250/032** (2013.01); **F17C 2250/0426** (2013.01); **F17C 2250/043** (2013.01); **F17C 2250/0443** (2013.01); **F17C 2250/0495** (2013.01)

Cited by

CN111580594A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1065432 A1 20010103; **EP 1065432 B1 20050316**; AT E291198 T1 20050415; DE 60018641 D1 20050421; FR 2795547 A1 20001229; FR 2795547 B1 20020201

DOCDB simple family (application)

EP 00401848 A 20000628; AT 00401848 T 20000628; DE 60018641 T 20000628; FR 9908247 A 19990628