

Title (en)

Second-Stage regulator for diver and connectable gas supply element

Title (de)

Bedarfgesteuertes Ventil für Taucher und Organ zur selektiven Flüssigkeitsverbindung

Title (fr)

Dispositif de soupape à la demande pour plongeur et organe de liaison fluide sélectivement connectable

Publication

EP 2161193 A3 20170531 (FR)

Application

EP 09166216 A 20090723

Priority

FR 0855442 A 20080806

Abstract (en)

[origin: EP2161193A2] The device has a locking device for locking a fluidic connection unit e.g. valve seat carrier (2), on a diaphragm-operated valve (1) via a threaded end (12) and a cylindrical bore (103) of the valve. The locking device is formed by rings (6, 8), spring (7) and housing (9). The device is displaceable and/or deformable between a locking configuration, in which the movement between the valve and the unit is limited for preventing disintegration of the end and the bore, and an unlocking configuration, in which the movement is authorized for disintegrating the end and the bore.

IPC 8 full level

B63C 11/22 (2006.01); **F16L 19/00** (2006.01)

CPC (source: EP US)

B63C 11/2227 (2013.01 - EP US)

Citation (search report)

- [I] US 3362429 A 19680109 - VOLSK NICHOLAS T
- [A] US 1580694 A 19260413 - SMITH CHARLES T
- [A] FR 2367655 A1 19780512 - SPIROTECH IND COMMERC [FR]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2161193 A2 20100310; EP 2161193 A3 20170531; FR 2934843 A1 20100212; FR 2934843 B1 20110318; US 2010186746 A1 20100729; US 8360054 B2 20130129

DOCDB simple family (application)

EP 09166216 A 20090723; FR 0855442 A 20080806; US 51167109 A 20090729