

Title (en)

VALVE FOR A PRESSURIZED FLUID CYLINDER AND CORRESPONDING CYLINDER

Title (de)

VENTIL FÜR EINEN UNTER DRUCK STEHENDEN FLUIDZYLINDER UND ENTSPRECHENDES ZYLINDER

Title (fr)

ROBINET POUR BOUTEILLE DE FLUIDE SOUS PRESSION ET BOUTEILLE CORRESPONDANTE

Publication

EP 3097340 A1 20161130 (FR)

Application

EP 14814960 A 20141126

Priority

- FR 1450524 A 20140122
- FR 2014053044 W 20141126

Abstract (en)

[origin: WO2015110717A1] The invention relates to a valve for a fluid cylinder, a first draw-off circuit (3) comprising a member (4) for regulating the flow and/or pressure of the drawn-off fluid, the valve (1) comprising a manual control member (5) and an electronic device (6) displaying data relating to the fluid contained in a cylinder connected to the valve (1). The electronic display device (6) comprises a data-acquisition, -storage and -processing member (7) and at least one display (8); the valve (1) comprises a sensor (9) detecting the position of the control member (5); and the data-acquisition, -storage and -processing member (7) is designed to control, in response to the receiving of an imposed flow and/or pressure signal, the displaying on the display (8) of information concerning the flow and/or the pressure of the fluid imposed by the regulating member (4) and/or the valve use mode. The sensor (9) for detecting the position of the control member (5) comprises a mechanism (19) which meshes with the control member (5), and a potentiometer (39), the mechanism (19) comprising a mobile part (29), forming a cursor of the potentiometer (39), the position sensor (9) supplying a voltage and/or resistance value determined as a function of the position of the control member (5).

IPC 8 full level

F17C 13/02 (2006.01)

CPC (source: EP US)

F17C 13/025 (2013.01 - EP US); **G01F 22/02** (2013.01 - EP); **G05B 19/042** (2013.01 - US); **G05B 19/406** (2013.01 - US); **F17C 2201/0109** (2013.01 - EP US); **F17C 2201/032** (2013.01 - EP US); **F17C 2201/058** (2013.01 - EP US); **F17C 2221/011** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2250/032** (2013.01 - EP US); **F17C 2250/034** (2013.01 - EP US); **F17C 2250/036** (2013.01 - EP US); **F17C 2250/0408** (2013.01 - EP US); **F17C 2250/0426** (2013.01 - US); **F17C 2250/043** (2013.01 - EP US); **F17C 2250/0439** (2013.01 - EP US); **F17C 2250/0443** (2013.01 - US); **F17C 2250/0473** (2013.01 - US); **F17C 2250/0491** (2013.01 - EP US); **F17C 2250/0495** (2013.01 - EP US); **F17C 2250/0694** (2013.01 - EP US); **F17C 2250/075** (2013.01 - EP US); **F17C 2250/077** (2013.01 - EP US); **F17C 2260/038** (2013.01 - EP US); **F17C 2265/04** (2013.01 - EP US); **F17C 2270/025** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3016677 A1 20150724; **FR 3016677 B1 20160122**; EP 3097340 A1 20161130; US 2016348844 A1 20161201; WO 2015110717 A1 20150730

DOCDB simple family (application)

FR 1450524 A 20140122; EP 14814960 A 20141126; FR 2014053044 W 20141126; US 201415112757 A 20141126