

Title (en)

A VALVE FOR A GAS CYLINDER

Title (de)

VENTIL FÜR EINEN GASZYLINDER

Title (fr)

SOUPAPE POUR BOUTEILLE DE GAZ

Publication

EP 3271643 A1 20180124 (EN)

Application

EP 16710238 A 20160317

Priority

- GB 201504451 A 20150317
- EP 2016055858 W 20160317

Abstract (en)

[origin: WO2016146773A1] The invention relates to a valve (300) for attachment to a cylinder (5) for pressurised fluid, such as a gas cylinder. A valve for a cylinder (5), comprises: a primary module (110); and one or more secondary module(s) (120, 125, 130) detachably connected to the primary module (110), the/each secondary module (120, 125, 130) comprising at least one of: a display; a memory; a wireless transmitter; a wireless receiver; a sensor; a processor; a store of charge; an RFID chip; an NFC chip; a flow meter; a flow sensor; a GPS receiver; a phone dock arranged for physical connection with a smart phone; a battery; zigbee; a data cable connection port; a power transfer port; an inductive charging receiver and/or a gas/fluid interface connection, the primary module (110) comprising: a valve body; a port (11) formed in the valve body for attachment to external piping or hosing; a valve inlet (21) formed in the valve body for communicating with the interior of a cylinder (5) when the valve (300) is installed thereon; and a flow path extending from the port (11) to the valve inlet (21).

IPC 8 full level

F17C 13/04 (2006.01)

CPC (source: EP)

F17C 13/04 (2013.01); **F17C 2201/0104** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/056** (2013.01); **F17C 2201/058** (2013.01); **F17C 2205/0308** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2205/0329** (2013.01); **F17C 2205/0338** (2013.01); **F17C 2205/0385** (2013.01); **F17C 2205/0391** (2013.01); **F17C 2205/055** (2013.01); **F17C 2205/057** (2013.01); **F17C 2205/058** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2223/036** (2013.01); **F17C 2250/032** (2013.01); **F17C 2250/034** (2013.01); **F17C 2250/043** (2013.01); **F17C 2250/0439** (2013.01); **F17C 2250/0443** (2013.01); **F17C 2250/0447** (2013.01); **F17C 2250/0482** (2013.01); **F17C 2265/04** (2013.01); **F17C 2270/05** (2013.01)

Citation (search report)

See references of WO 2016146773A1

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)

WO 2016146773 A1 20160922; AU 2016232161 A1 20171005; AU 2016232161 B2 20200409; AU 2016232162 A1 20171005; CA 2979590 A1 20160922; CA 2979591 A1 20160922; EP 3271643 A1 20180124; EP 3271646 A1 20180124; EP 3271646 B1 20210428; GB 201504451 D0 20150429; WO 2016146772 A1 20160922

DOCDB simple family (application)

EP 2016055858 W 20160317; AU 2016232161 A 20160317; AU 2016232162 A 20160317; CA 2979590 A 20160317; CA 2979591 A 20160317; EP 16710238 A 20160317; EP 16710965 A 20160317; EP 2016055857 W 20160317; GB 201504451 A 20150317