

Title (en)  
PRESSURE GAS CYLINDER VALVE

Title (de)  
DRUCKGASFLASCHENVENTIL

Title (fr)  
VALVE DE BOUTEILLE DE GAZ SOUS PRESSION

Publication  
**EP 3521685 A1 20190807 (EN)**

Application  
**EP 18185666 A 20180726**

Priority  
IT 201800001835 U 20180202

Abstract (en)  
A valve (1) is described for a cylinder with pressurized gas; the cylinder comprises a tank (20) with pressurized gas and the valve is configured to seal the pressurized gas of the tank. The tank comprises a threaded opening (22) and the valve comprises an at least partially threaded connection (133) adapted to couple with the threaded opening of the tank. The valve comprises a metal ring (3) arranged so as to wind a portion (15) of the connection of the valve; the metal ring is configured to damage a portion (26) of the threaded opening of the tank during the coupling of the valve with the tank.

IPC 8 full level  
**F17C 13/04** (2006.01)

CPC (source: EP)  
**F17C 13/04** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/056** (2013.01); **F17C 2201/058** (2013.01); **F17C 2205/0329** (2013.01); **F17C 2205/0382** (2013.01); **F17C 2205/0394** (2013.01); **F17C 2221/011** (2013.01); **F17C 2221/013** (2013.01); **F17C 2221/014** (2013.01); **F17C 2221/016** (2013.01); **F17C 2221/031** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2260/028** (2013.01)

Citation (search report)  
• [A] US 2005001192 A1 20050106 - DROPPLEMAN J P [US]  
• [A] US 7032768 B2 20060425 - FELBAUM JOHN W [US]  
• [A] GB 2190478 A 19871118 - NB MARKETING CO PTY LTD  
• [A] US 6394690 B1 20020528 - BARTHOLOMAE MARIO [DE], et al

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)  
**EP 3521685 A1 20190807**; **EP 3521685 B1 20200819**; ES 2831418 T3 20210608; IT 201800001835 U1 20190802

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**EP 18185666 A 20180726**; ES 18185666 T 20180726; IT 201800001835 U 20180202