

Title (en)  
COMPRESSED GAS REGULATOR WITH INTEGRATED PRESSURE RELIEF VALVE

Title (de)  
DRUCKGASREGLER MIT INTEGRIERTEM DRUCKENTLASTUNGSVENTIL

Title (fr)  
RÉGULATEUR DE GAZ COMPRIMÉ À SOUPAPE DE PRESSION INTÉGRÉE

Publication  
**EP 3455692 A1 20190320 (EN)**

Application  
**EP 17721177 A 20170505**

Priority  
• LU 93061 A 20160509  
• EP 2017060836 W 20170505

Abstract (en)  
[origin: WO2017194429A1] The invention is directed to a regulator (2) for compressed gas, comprising a body (4) with an inlet (6), an outlet (8) and a channel (10) between said inlet (6) and outlet (8); a regulating valve (12) with a seat (121) in the channel (10) and a movable closure member (122) upstream of said seat (121); a piston (16) housed in the body (4) and mechanically linked with the closure member (122), said piston (16) delimiting with said body (4) a regulating chamber (14) downstream of the regulating valve (12) and controlling said valve (12); a resilient member (18) able to exert a biasing force on the piston (16) towards the regulating valve (12); and a pressure relief valve (16, 30) comprising a movable element (30) interposed between the resilient member (18) and the piston (16).

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**G05D 16/10** (2006.01)

CPC (source: EP US)  
**F16K 17/048** (2013.01 - EP); **G05D 16/107** (2018.12 - EP US)

Citation (search report)  
See references of WO 2017194429A1

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