

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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