

Title (en)
A REGULATOR ASSEMBLY FOR A PRESSURISED GAS CYLINDER

Title (de)
REGLERBAUGRUPPE FÜR EINEN DRUCKGASZYLINDER

Title (fr)
ENSEMBLE DE RÉGULATEUR DESTINÉ À UNE BOUTEILLE DE GAZ SOUS PRESSION

Publication
EP 3312494 B1 20210414 (EN)

Application
EP 17197877 A 20171023

Priority
GB 201616545 A 20160929

Abstract (en)
[origin: EP3312494A1] The regulator assembly has a first stage regulator with a first inlet for receiving high pressure gas from the cylinder. A first regulator element reduces the pressure of the gas which exits the first stage regulator via a first outlet at a regulated pressure. A second stage regulator is provided with a second inlet for receiving the gas at the regulated pressure, and a second regulator element further reduces the pressure of the gas which exits the second stage regulator via a second outlet at an outlet pressure which is lower than the regulated pressure. A pilot regulator receives gas at the regulated pressure from the first stage regulator. The pilot regulator is controlled by an actuator to set a pilot pressure which is communicated to the second stage regulator to set the outlet pressure delivered by the second stage regulator.

IPC 8 full level
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CPC (source: EP GB)
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