

Title (en)
Gas pressure regulator

Title (de)
Gasdruckregelanlage

Title (fr)
Régulateur de pression de gaz

Publication
EP 1079292 B1 20020522 (DE)

Application
EP 00116540 A 20000731

Priority
DE 19936374 A 19990803

Abstract (en)
[origin: EP1079292A1] The system includes a first connection (3) to the gas bottle (1), a second connection (11) to a second bottle (12) and a third connection (6) to the consumer. The first connection is joined to the pressure regulator (5) by a three-way coupling (4) plus a valve (9) permitting one way flow only and a medium pressure regulator (10) is positioned between the free coupling end and the second connection (11). This regulator (10) only permits flow to the element (4) and this only at reduced flow pressure over the valve (9). The operating regulator (5), three-way element (4) and valve (9) should form a single assembly group and an indicator (7) displays pressure between first connection (3), valve (9) and regulator (5), using a pressure-responsive signaller (8) to warn of impermissible pressure fall.

IPC 1-7
G05D 7/00; F15B 13/043; G01F 25/00; F23D 11/16

IPC 8 full level
F15B 13/043 (2006.01); **F17C 13/04** (2006.01); **F23D 11/16** (2006.01); **G01F 25/00** (2006.01); **G05D 7/00** (2006.01)

CPC (source: EP)
F17C 13/04 (2013.01); **F17C 13/045** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2205/0335** (2013.01)

Cited by
USD905217S; USD907183S; USD944374S; US11772452B2

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
DE 19936374 A1 20010222; **DE 19936374 C2 20010613**; DE 50000177 D1 20020627; EP 1079292 A1 20010228; EP 1079292 B1 20020522

DOCDB simple family (application)
DE 19936374 A 19990803; DE 50000177 T 20000731; EP 00116540 A 20000731