

Title (en)
DEVICE FOR PROVIDING FLUIDS UNDER A SPECIFIABLE PRESSURE

Title (de)
EINRICHTUNG ZUR BEREITSTELLUNG VON UNTER EINEM VORGEGBAREN DRUCK STEHENDEN FLUIDEN

Title (fr)
DISPOSITIF POUR FOURNIR DES FLUIDES SOUS UNE PRESSION PRÉDÉTERMINÉE

Publication
EP 3710697 B1 20211006 (DE)

Application
EP 19704786 A 20190211

Priority
• DE 102018001523 A 20180227
• EP 2019053239 W 20190211

Abstract (en)
[origin: WO2019166207A1] The invention relates to a device for providing fluids under a specifiable pressure for the pressure supply of a consumer, such as a working unit (1) of an SCR (selective catalytic reduction) system for treating the exhaust gas of internal combustion engines, comprising at least one pump (3), which, in a fluid circuit (4) formed between a fluid reservoir (5) and the consumer (1), draws the fluid in question from the fluid reservoir (5) and feeds said fluid to the consumer (1). Said device is characterized in that a line branch (9), which contains a throttle point (18), and a valve assembly (23, 59, 61, 63) are provided in the fluid circuit (4), which valve assembly can be actuated into a switching position connecting the fluid reservoir (5) to the pump (3), in which switching position a flow path containing the line branch (9) having the throttle point (18) is formed, and which valve assembly can be actuated into a second switching position interrupting the supply of the consumer, in which second switching position a flow path connecting the pump (3) to the surroundings (57) is formed.

IPC 8 full level
F04B 13/00 (2006.01); **F04B 43/08** (2006.01); **F04B 53/06** (2006.01); **F04B 53/08** (2006.01)

CPC (source: EP)
F04B 13/00 (2013.01); **F04B 43/08** (2013.01); **F04B 53/06** (2013.01); **F04B 53/08** (2013.01)

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

DOCDB simple family (publication)
DE 102018001523 A1 20190829; EP 3710697 A1 20200923; EP 3710697 B1 20211006; WO 2019166207 A1 20190906

DOCDB simple family (application)
DE 102018001523 A 20180227; EP 19704786 A 20190211; EP 2019053239 W 20190211