

Title (en)
INFINITELY VARIABLE PRESSURE-CONTROL VALVE

Title (de)
STUFENLOS REGELBARES DRUCKREGELVENTIL

Title (fr)
SOUPAPE DE RÉGULATION DE PRESSION À RÉGULATION CONTINUE

Publication
EP 2585888 A1 20130501 (DE)

Application
EP 11723417 A 20110524

Priority
• DE 102010025175 A 20100625
• EP 2011058410 W 20110524

Abstract (en)
[origin: WO2011160910A1] The invention relates to a pressure modulator having a housing which comprises a winding wound on a winding carrier, an armature which is axially displaceable in a bearing, a core, and a flow-guide arrangement. Disposed in the pressure modulator are a control pressure connection, a regulating pressure connection and a return connection. The control pressure connection can be closed by the armature. The housing is substantially two-part, a lower part comprising the connection sleeve and the connection bore and being disposed in an upper part of the housing in a force- or form-locking manner. Provided in the connection sleeve part facing the core is a bearing bush for the armature and in the opposite part of the connection sleeve is an abutment bush for the armature.

IPC 8 full level
F01L 9/10 (2021.01); **F16K 31/06** (2006.01); **G05D 16/20** (2006.01)

CPC (source: EP US)
F01L 9/10 (2021.01 - EP US); **G05D 16/2022** (2018.12 - EP US); **F04C 14/223** (2013.01 - EP US); **Y10T 137/7793** (2015.04 - EP US)

Citation (search report)
See references of WO 2011160910A1

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 102010025175 A1 20111229; EP 2585888 A1 20130501; JP 2013531767 A 20130808; JP 5921537 B2 20160524; US 2013112293 A1 20130509; US 9062570 B2 20150623; WO 2011160910 A1 20111229

DOCDB simple family (application)
DE 102010025175 A 20100625; EP 11723417 A 20110524; EP 2011058410 W 20110524; JP 2013515792 A 20110524; US 201113805668 A 20110524