

Title (en)
PROPORTIONAL PRESSURE CONTROL VALVE

Title (de)
PROPORTIONAL-DRUCKREGELVENTIL

Title (fr)
SOUPAPE DE RÉGULATION DE PRESSION PROPORTIONNELLE

Publication
EP 3126722 A1 20170208 (DE)

Application
EP 15707880 A 20150305

Priority
• DE 102014004796 A 20140402
• EP 2015000499 W 20150305

Abstract (en)
[origin: WO2015149906A1] Disclosed is a proportional pressure control valve with a control piston (12) guided in a longitudinally movable manner in a valve housing (10), said control valve serving, by means of an actuating system (14), to selectively connect the connection points present in the valve housing, such as a pressure supply connection (P), a consumer connection (A) and a tank or return connection (T), wherein a first characteristic curve is produced between a control signal of the actuating system (14) and the flow volume or the control pressure (P), in relation to the consumer that can be connected to the consumer connection (A), wherein a second characteristic curve is produced for the consumer that can be connected to the consumer connection (A) of the valve housing (10) by means of a control device (65) after running through the first characteristic curve, the second characteristic curve differing to the first characteristic curve.

IPC 8 full level
F16K 31/06 (2006.01)

CPC (source: EP US)
F16K 3/34 (2013.01 - EP US); **F16K 11/07** (2013.01 - US); **F16K 31/0613** (2013.01 - EP US); **F16K 31/0675** (2013.01 - EP US)

Citation (search report)
See references of WO 2015149906A1

Citation (examination)
• DE 19904901 A1 20000810 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
• DE 29705635 U1 19980806 - VOITH TURBO KG [DE]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014004796 A1 20151008; EP 3126722 A1 20170208; US 2017159832 A1 20170608; WO 2015149906 A1 20151008

DOCDB simple family (application)
DE 102014004796 A 20140402; EP 15707880 A 20150305; EP 2015000499 W 20150305; US 201515129936 A 20150305