

Title (en)
PRESSURE COMPENSATED VALVE

Title (de)
DRUCKKOMPENSIERTES VENTIL

Title (fr)
VANNE À COMPENSATION DE PRESSION

Publication
EP 2616728 A1 20130724 (EN)

Application
EP 11754423 A 20110910

Priority
• US 38230810 P 20100913
• EP 2011065699 W 20110910

Abstract (en)
[origin: WO2012034953A1] A valve (200) including a housing (201) and a process fluid supply port (112) formed in the housing (201) to receive a process fluid is provided. The valve (200) includes a piston (202) movable within the housing (201) between an open position and a closed position. The piston (202) includes a first pressure-compensating surface (315) in fluid communication with the process fluid supply port (112) when the piston (202) is in the open position. The piston (202) further includes a second pressure-compensating surface (316) with a first portion (210) in fluid communication with the process fluid supply port (112) when the piston (202) is in the open and the closed position and a second portion (208, 317) in fluid communication with the process fluid supply port (112) when the piston (202) is in the open position.

IPC 8 full level
F16K 31/383 (2006.01)

CPC (source: EP)
F16K 1/123 (2013.01); **F16K 31/1223** (2013.01); **B29C 49/4289** (2013.01)

Citation (search report)
See references of WO 2012034953A1

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)
WO 2012034953 A1 20120322; CN 103201548 A 20130710; CN 103201548 B 20150225; EP 2616728 A1 20130724

DOCDB simple family (application)
EP 2011065699 W 20110910; CN 201180044057 A 20110910; EP 11754423 A 20110910