

Title (en)  
VARIABLE FLOW POPPET VALVE

Title (de)  
TELLERVENTIL MIT VARIABLER STRÖMUNG

Title (fr)  
SOUPAPE-CHAMPIGNON À ÉCOULEMENT VARIABLE

Publication  
**EP 2396577 A2 20111221 (EN)**

Application  
**EP 10716751 A 20100210**

Priority  
• EP 2010000830 W 20100210  
• US 15125409 P 20090210  
• US 16511609 P 20090331

Abstract (en)  
[origin: WO2010091851A2] The present invention relates to a poppet valve (105) and a method of regulating fluid flow. A valve body (110) defines a bore (115) and is provided with a valve seat (120). A valve member (125) is provided with a valve stem (130) and a plug (140). A fluid pathway (200) defined between the valve body (110) and the valve member (125). The valve stem (130) can include a first valve stem portion (131) provided with a first diameter (133) and a second valve stem portion (132) provided with a second diameter (134). The fluid pathway (200) comprises a reduced flow orifice (180) defined between the first valve stem portion (131) and the valve body (110) and an enlarged flow orifice (181) defined between the second valve stem portion (132) and the valve body (110).

IPC 8 full level  
**F16K 1/52** (2006.01)

CPC (source: EP)  
**F16K 1/36** (2013.01); **F16K 1/52** (2013.01); **F16K 1/54** (2013.01)

Citation (search report)  
See references of WO 2010091851A2

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010091851 A2 20100819; WO 2010091851 A3 20101111**; BR PI1008098 A2 20160308; EP 2396577 A2 20111221

DOCDB simple family (application)  
**EP 2010000830 W 20100210**; BR PI1008098 A 20100210; EP 10716751 A 20100210