

Title (en)  
Valve for metered dispensation of liquids

Title (de)  
Ventil zur dosierten Abgabe von Flüssigkeiten

Title (fr)  
Soupape de dépôt dosé de liquides

Publication  
**EP 2253560 A3 20110831 (DE)**

Application  
**EP 10005003 A 20100512**

Priority  
DE 102009022215 A 20090520

Abstract (en)  
[origin: EP2253560A2] The valve has a valve housing (20) inserted into an opening (11) of a fluid container. A lower spring (9) is pre-stressed between a valve piston (30) and a stopper (50). An upper spring (8) is pre-stressed between the valve piston and a shaft body (40). A volume is formed between the shaft body and an upper closure i.e. insertion part (22), of a valve housing (20). Partial volumes (2, 3) are combined with the volume via an inlet channel (42) of the shaft body by actuation of the valve. An outlet channel (44) of a shaft (41) is connected with the volume by further actuation of the valve.

IPC 8 full level  
**B65D 83/14** (2006.01)

CPC (source: EP)  
**B65D 83/54** (2013.01)

Citation (search report)

- [A] FR 1461685 A 19660225 - IDEES
- [A] FR 2300950 A1 19760910 - VALOIS SA [FR]
- [A] NL 7000591 A 19700721
- [A] WO 9829321 A1 19980709 - GLAXO GROUP LTD [GB], et al
- [A] FR 2615172 A1 19881118 - VALOIS [FR]
- [A] WO 2005123542 A1 20051229 - SEQUIST PERFECT DISPENSING [DE], et al
- [A] EP 1632208 A1 20060308 - ASTELLAS PHARMA INC [JP]

Cited by  
EP3536634A1; US10661291B2; US9254954B2

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2253560 A2 20101124; EP 2253560 A3 20110831**; DE 102009022215 A1 20101125; DE 102009022215 B4 20110622

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**EP 10005003 A 20100512**; DE 102009022215 A 20090520