

Title (en)

DISPENSING VALVE INCORPORATING A METERING VALVE

Title (de)

ABGABEVENTIL MIT EINEM DOSIERVENTIL

Title (fr)

VALVE DE DISTRIBUTION COMPRENANT UNE VALVE DE DOSAGE

Publication

EP 3105147 A4 20171108 (EN)

Application

EP 15748520 A 20150213

Priority

- US 201414181219 A 20140214
- US 2015015799 W 20150213

Abstract (en)

[origin: WO2015123511A1] A dispensing valve comprising a metering valve for a pressurized aerosol application. The dispensing valve comprises a mounting cup, a gasket, a valve body and a valve housing defining a cavity. The valve housing is captively retained by the mounting cup and a spring biasing the valve body against the gasket into a normally closed position. A lower portion of the valve housing communicating with the product to be dispensed. A valve stem is coupled to the valve body and an actuator is supported by the valve stem. The metering valve is delimited by a metering valve seat and a stop. A metering member is movable, within the metering chamber, to dispense a predetermined quantity of product. The metering valve seat comprising at least one micro vent which facilitates supplying air to the metering valve seat to break a seal formed by surface tension of the product to be dispensed.

IPC 8 full level

B65D 83/44 (2006.01); **B65D 83/54** (2006.01); **B65D 83/62** (2006.01); **B65D 83/38** (2006.01)

CPC (source: EP)

B65D 83/546 (2013.01); **B65D 83/62** (2013.01); **B65D 83/38** (2013.01)

Citation (search report)

- [A] FR 1598257 A 19700706
- [A] FR 1219745 A 19600519
- [A] US 3169677 A 19650216 - RICHARD FOCHT JOHN
- [A] JP 2010036947 A 20100218 - MITANI VALVE CO LTD
- [A] JP S53156914 U 19781209
- [A] US 2705094 A 19550329 - HOWELL JR ALLEYNE C
- See references of WO 2015123511A1

Cited by

CN109330420A

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

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