

Title (en)
Dispensing valve

Title (de)
Ausgabeventil

Title (fr)
Vanne de distribution

Publication
EP 1571122 A1 20050907 (DE)

Application
EP 05004649 A 20050303

Priority
AT 3792004 A 20040305

Abstract (en)
The dispenser valve has a valve part (10) and at least two open positions with different outlet cross-sectional areas. The valve part is vertically adjustable and the open positions can be provided one above the other. After a short opening path the valve part releases a small outlet cross-section, after a medium opening path releases a larger cross-section and then after a longer opening path releases the largest cross-section. Independent claim describes container filled with flowable material where outlet valve has a closing position and two or more superposed opening positions.

Abstract (de)
Ein Ausgabeventil für einen ein fließfähiges Medium enthaltenden Behälter (1), mit einem bewegbaren Ventiltteil (10), der in einer Ruhestellung einen Auslass verschlossen hält, weist zumindest zwei Offenstellungen mit unterschiedlichen Auslassquerschnitten auf. <IMAGE>

IPC 1-7
B67D 3/04

IPC 8 full level
B67D 3/04 (2006.01)

CPC (source: EP US)
B67D 3/046 (2013.01 - EP US)

Citation (applicant)

- WO 9918026 A1 19990415 - MINNESOTA MINING & MFG [US]
- US 5715877 A 19980210 - SANDOR JOSEPH [US]
- US 1428744 A 19220912 - BASTIAN CHARLES L, et al
- DE 478432 C 19290625 - FRANZ KUBIN
- WO 9313009 A1 19930708 - EBTECH INC [US]
- WO 0128914 A1 20010426 - 3M INNOVATIVE PROPERTIES CO [US]
- WO 0102283 A1 20010111 - ROOS PAUL [ZA]
- US 6045119 A 20000404 - ERB RENE [FR]

Citation (search report)

- [X] WO 0102283 A1 20010111 - ROOS PAUL [ZA]
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- [X] US 1428744 A 19220912 - BASTIAN CHARLES L, et al
- [X] DE 478432 C 19290625 - FRANZ KUBIN
- [A] US 5944300 A 19990831 - GILLARD DAVID FREDERICK [US], et al
- [A] US 2002074533 A1 20020620 - DECLER CHARLES PETER [US], et al

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1571122 A1 20050907; EP 1571122 B1 20130911; AT 500874 A1 20060415; AT 500874 B1 20061115; ES 2438530 T3 20140117; PL 1571122 T3 20140228; PT 1571122 E 20131210; SI 1571122 T1 20140228; US 2005194061 A1 20050908; US 7441570 B2 20081028

DOCDB simple family (application)
EP 05004649 A 20050303; AT 3792004 A 20040305; ES 05004649 T 20050303; PL 05004649 T 20050303; PT 05004649 T 20050303; SI 200531804 T 20050303; US 7390405 A 20050307