

Title (en)

Push button for a dispensing system with pressurised product

Title (de)

Druckknopf für ein Spendersystem mit unter Druck stehendem Produkt

Title (fr)

Bouton poussoir pour un système de distribution d'un produit sous pression

Publication

EP 2295150 A3 20121219 (FR)

Application

EP 10290482 A 20100909

Priority

FR 0904371 A 20090910

Abstract (en)

[origin: EP2295150A2] The push-button has a body (1) provided with a mounting shaft (3) that is mounted on a pressurized product supply tube. Housing is equipped with a passage for dispensing a product between a shaft and a swirl assembly. A swirl chamber (11) comprises a distribution opening (12) and a supply channel (13). An actuation bearing (22) is connected with the dispensing passage. A needle (21) is provided with a distal wall (21a) arranged opposite to the dispensing opening to form a base of the swirl chamber when the needle is in opening position. A recess (33) is formed in the distal wall. An independent claim is also included for a pressurized product dispensing system comprising a discharge device equipped with a pressurized product supply.

IPC 8 full level

B05B 11/00 (2006.01); **B05B 1/34** (2006.01); **B65D 47/20** (2006.01); **B65D 83/20** (2006.01)

CPC (source: EP US)

B05B 1/3436 (2013.01 - EP US); **B05B 1/3473** (2013.01 - EP US); **B05B 11/0067** (2013.01 - EP US); **B05B 11/10** (2023.01 - EP US); **B65D 83/20** (2013.01 - EP US); **B65D 83/7535** (2013.01 - EP US)

Citation (search report)

- [YA] EP 1837082 A1 20070926 - PACKAGING TECH HOLDING SA [LU], et al
- [YA] FR 2887232 A1 20061222 - REXAM DISPENSING SYSTEMS SAS [FR]
- [A] FR 2772644 A1 19990625 - D INVESTISSEMENT IND ET COMMER [FR]
- [A] FR 2907106 A1 20080418 - REXAM DISPENSING SYSTEMS SAS [FR]
- [A] EP 0796661 A1 19970924 - CALMAR INC [US]
- [A] GB 1550200 A 19790808 - DANFOSS AS
- [A] EP 1688668 A2 20060809 - PRATT & WHITNEY CANADA [CA]
- [YA] FR 2767798 A1 19990305 - OREAL [FR]

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EP3530355A1; FR3078271A1

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 2295150 A2 20110316; EP 2295150 A3 20121219; EP 2295150 B1 20161109; BR PI1003546 A2 20130115; BR PI1003546 B1 20200818; FR 2949762 A1 20110311; FR 2949762 B1 20111209; US 2011057057 A1 20110310; US 8413912 B2 20130409

DOCDB simple family (application)

EP 10290482 A 20100909; BR PI1003546 A 20100910; FR 0904371 A 20090910; US 87932710 A 20100910