

Title (en)
New spray bottle

Title (de)
Sprühbehälter

Title (fr)
Pulvérisateur

Publication
EP 1407825 A1 20040414 (EN)

Application
EP 02022655 A 20021010

Priority
EP 02022655 A 20021010

Abstract (en)
A conductor (G) connects a container body (Q) with a dispensing mechanism (B), and extends from the outlet opening (F) of container body. A neck (K) connects a trigger sprayer (H) with the conductor. The neck and conductor are linked to the container body so that the neck and conductor form a swan-neck or a U-shaped extending from the outlet opening to exchange air pressure and product to be dispensed. The dispenser has a container (A) for holding a product to be dispensed. A coupling interconnects the opposing bottom and side of the container body. The outlet opening (F) is formed in or near the side opposite the bottom.

IPC 1-7
B05B 11/00

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP US)
B05B 11/0037 (2013.01 - EP US); **B05B 11/0059** (2013.01 - EP); **B05B 11/1057** (2023.01 - EP)

Citation (applicant)

- US 5730335 A 19980324 - MAAS WILHELMUS JOHANNES JOSEPH [NL], et al
- WO 0033970 A1 20000615 - AFA POLYTEK BV [NL], et al
- US 4706888 A 19871117 - DOBBS DOUGLAS B [US]
- US 6126090 A 20001003 - WADSWORTH RONALD [US], et al

Citation (search report)

- [X] DE 20201532 U1 20020418 - BEISERT HEINZ [DE]
- [X] FR 2711305 A1 19950428 - TOBELEM FRANCIS [FR], et al

Cited by
CN105358258A; WO2014189994A3; US9505015B2; US10350628B2

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

DOCDB simple family (publication)
EP 1407825 A1 20040414

DOCDB simple family (application)
EP 02022655 A 20021010