

Title (en)
Liquid spray bottle.

Title (de)
Flüssigkeitssprühflasche.

Title (fr)
Bouteille de pulvérisation de liquides.

Publication
EP 0622311 A3 19950510 (EN)

Application
EP 93110385 A 19930629

Priority
JP 10456593 A 19930430

Abstract (en)
[origin: EP0622311A2] A liquid spray bottle preventing the contamination of a pharmaceutical liquid likely to be caused by entry of outside air and completely spraying all the pharmaceutical liquid. A main body of the spray bottle having a flexible liquid container which can be contracted according to the consumption of the liquid. An outer case covers to protect the container. A spray pump functions to draw the liquid from the container and spray out. <IMAGE>

IPC 1-7
B65D 83/00

IPC 8 full level
A61M 11/00 (2006.01); **B05B 11/00** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP)
B05B 11/00446 (2018.07); **B05B 11/026** (2023.01); **B65D 83/0055** (2013.01)

Citation (search report)
• [XY] WO 9118798 A1 19911212 - RESEAL INT LP [US]
• [Y] FR 2669306 A1 19920522 - KERPLAS SNC [FR]
• [X] EP 0444982 A1 19910904 - OREAL [FR]
• [X] EP 0521278 A1 19930107 - MAS S P A MICRODISPENSATORI MA [IT]
• [X] US 4457455 A 19840703 - MESHBERG PHILIP [US]

Cited by
EP0749909A3; FR2804093A1; FR2821339A1; FR2846949A1; EP2752250A1; FR2791643A1; EP1338528A1; EP0771734A1; FR2740431A1; GB2333129A; US5962096A; FR2786470A1; CN1106228C; CN113559403A; US9744313B2; WO0153003A3; WO02068290A1; WO0032316A1; WO0058021A1; US10011906B2; US10220163B2; US7021495B2; US9724482B2; US6889873B1; US6685691B1; US6415962B1; US10124125B2; US10722666B2; US9682202B2; US9827384B2; US9943654B2; WO03089332A1; US9757750B2; US10099022B2; US7090093B2; US10004857B2; US10124129B2; US10894134B2; US11642476B2; US10016568B2; US10195374B2; US10716905B2; US7086570B2; US6988496B1; US7802568B2

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0622311 A2 19941102; EP 0622311 A3 19950510; JP H06312019 A 19941108

DOCDB simple family (application)
EP 93110385 A 19930629; JP 10456593 A 19930430