

Title (en)

SPRAY BOTTLE FOR A DETERGENT

Publication

**EP 0217114 A3 19890104 (DE)**

Application

**EP 86111686 A 19860823**

Priority

DE 3535488 A 19851004

Abstract (en)

[origin: ES2002796A6] The spray bottle has a bottle body, an elbow mounted thereon in an impact connection, and a nozzle mouthpiece supported by the elbow and directed obliquely upwards. The spraying direction of the nozzle mouthpiece encloses an angle between 50 DEG and 75 DEG , preferably approximately 73 DEG , with the longitudinal median axis of the bottle body. The nozzle mouthpiece is covered by a closure cap. The nozzle mouthpiece and closure cap can be locked by catching on a nipple supported by the elbow. A childproof connection may be provided for the closure cap.

IPC 1-7

**B65D 1/32; B65D 47/06; B65D 47/12**

IPC 8 full level

**B65D 1/32 (2006.01); B65D 47/06 (2006.01); B65D 47/12 (2006.01)**

CPC (source: EP US)

**B65D 1/32 (2013.01 - EP US); B65D 47/06 (2013.01 - EP US); B65D 47/12 (2013.01 - EP US); B65D 2255/20 (2013.01 - EP US)**

Citation (search report)

- [AD] US 4509661 A 19850409 - SUGIZAKI TAKASHI [JP], et al
- [AD] DE 3121591 A1 19820325 - DUERING AG [CH]
- [A] CH 449882 A 19680115 - CHIMEX [FR]
- [A] FR 889487 A 19440111
- [A] GB 910686 A 19621114 - PAUL ADOLF HOPF, et al

Cited by

FR2753959A1; BE1001713A3; EP0301986A1; FR2618759A1; EP0343778A1; DE112015006573B4; US10689168B2; WO9325441A1; WO2016188588A1; WO2012022475A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0217114 A2 19870408; EP 0217114 A3 19890104; EP 0217114 B1 19901227**; AT E59355 T1 19910115; DE 3535488 A1 19870416; DE 3535488 C2 19870716; DE 3676611 D1 19910207; DK 162260 B 19911007; DK 162260 C 19920316; DK 452686 A 19870405; DK 452686 D0 19860922; ES 2002796 A6 19881001; FI 864028 A0 19861003; FI 864028 A 19870405; FI 86705 B 19920630; FI 86705 C 19921012; GR 862462 B 19870205; IE 59206 B1 19940126; IE 862626 L 19870404; NO 164157 B 19900528; NO 164157 C 19900905; NO 863705 D0 19860917; NO 863705 L 19870406; PT 83488 A 19861101; PT 83488 B 19930129; US 4775078 A 19881004

DOCDB simple family (application)

**EP 86111686 A 19860823**; AT 86111686 T 19860823; DE 3535488 A 19851004; DE 3676611 T 19860823; DK 452686 A 19860922; ES 8602390 A 19861003; FI 864028 A 19861003; GR 860102462 A 19860929; IE 262686 A 19861003; NO 863705 A 19860917; PT 8348886 A 19861003; US 91466386 A 19861002