

Title (en)  
ATOMIZING NOZZLE AND APPLIANCE PROVIDED WITH SUCH A NOZZLE

Publication  
**EP 0000688 A3 19790221**

Application  
**EP 78810011 A 19780801**

Priority  
• CA 288724 A 19771014  
• CH 202478 A 19780224  
• CH 960777 A 19770802

Abstract (en)  
[origin: EP0000688A2] 1. Atomizing nozzle for dispensing a liquid, which is subject to an elevated pressure, in the form of a spray, comprising at least two parts (32; 33), which frontally adjoin each other radially to the axis (MA) of the outlet orifice (41) present in one of the parts, between the parts being arranged an axially symmetrical flowing path system (35; 36; 37; 38; 39), which centrically has an outlet chamber (45) with several ducts (36; 38) ending therein in the main tangentially from a surrounding annular chamber (37; 39), in the ducts (36) further ducts (35) ending essentially right-angled in the former from an outward and axial direction are provided, through which the pressurized liquid (139) is led from the exterior to the flowing path system, characterized in that there is provided a peg-like deviating projection (40) situated centrically in the outlet chamber (45) opposite to the outlet orifice (41) protruding near to the outlet orifice (41) and/or there is arranged in at least one of the tangential ducts (36) a deviating projection (23).

IPC 1-7  
**B05B 1/34**; **B65D 83/14**

IPC 8 full level  
**B05B 1/34** (2006.01); **B05B 7/04** (2006.01); **B05B 7/24** (2006.01); **B05B 9/04** (2006.01); **B65D 83/00** (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP)  
**B05B 1/3436** (2013.01); **B05B 1/3442** (2013.01); **B05B 7/0425** (2013.01); **B65D 83/0055** (2013.01); **B65D 83/20** (2013.01);  
**B05B 1/3421** (2013.01)

Citation (search report)  
• US 3433420 A 19690318 - STROUT LEEMAN F, et al  
• FR 2325434 A1 19770422 - GREEN EDWARD [US]  
• DE 1604941 B1 19700527 - KARLSRUHE AUGSBURG IWEKA  
• US 4011996 A 19770315 - TSUJI SHOICHI, et al  
• FR 2136608 A5 19721222 - UNILEVER NV

Cited by  
EP2241687A1; CN107670488A; AU606182B2; CN102985188A; CN115055017A; US4664314A; US5722598A; DE3314020A1; GB2244013A; DE3710788A1; GB2128107A; FR2533838A1; FR2821573A1; WO03061839A1; WO9427729A1; WO8810221A1; US9527092B2; EP0528665B1; US9284112B2; US9856070B2; US11059659B2

Designated contracting state (EPC)  
BE GB LU NL SE

DOCDB simple family (publication)  
**EP 0000688 A2 19790207**; **EP 0000688 A3 19790221**; **EP 0000688 B1 19840111**; AR 219333 A1 19800815; AT 392044 B 19910110; AT A519478 A 19900715; AU 3810378 A 19800124; AU 521493 B2 19820408; BR 7804953 A 19790306; DD 140713 A5 19800326; DE 2826784 A1 19790215; DE 2826784 C2 19881013; DK 151045 B 19871019; DK 151045 C 19880314; DK 340378 A 19790203; ES 470662 A1 19790216; FI 64331 B 19830729; FI 64331 C 19831110; FI 782247 A 19790203; FR 2399282 A1 19790302; FR 2399282 B1 19880610; IE 48169 B1 19841017; IE 781548 L 19790414; IL 55155 A0 19780929; IN 150150 B 19820731; IT 1094411 B 19850802; IT 7822318 A0 19780414; JP S5459613 A 19790514; JP S6312664 B2 19880322; NO 151649 B 19850204; NO 151649 C 19850515; NO 782630 L 19790205; PT 68370 A 19780901

DOCDB simple family (application)  
**EP 78810011 A 19780801**; AR 27318378 A 19780802; AT 519478 A 19780718; AU 3810378 A 19780718; BR 7804953 A 19780802; DD 20706778 A 19780801; DE 2826784 A 19780619; DK 340378 A 19780801; ES 470662 A 19780609; FI 782247 A 19780714; FR 7819494 A 19780629; IE 154878 A 19780731; IL 5515578 A 19780717; IN 870CA1978 A 19780809; IT 2231878 A 19780414; JP 9371878 A 19780802; NO 782630 A 19780801; PT 6837078 A 19780801