

Title (en)

Household appliance provided with a spraying device comprising a nozzle for dispensing a liquid spray

Title (de)

Elektrohaushaltsgerät mit einer eine Düse zur Verteilung eines Flüssigkeitssprays umfassenden Sprühvorrichtung

Title (fr)

Appareil électroménager muni d'un dispositif de pulvérisation comprenant une buse de diffusion d'un spray de liquide

Publication

**EP 2733258 B1 20161214 (FR)**

Application

**EP 13192936 A 20131114**

Priority

FR 1261035 A 20121120

Abstract (en)

[origin: EP2733258A1] The device has a nozzle (2) dispensing a liquid spray and supplied with a liquid under pressure by a feeding circuit. The circuit comprises a piston (3) that prevents and allows a flow of a liquid toward the nozzle in a rest position and an operation position, respectively. The piston is brought back into the rest position by a return spring (31). The piston exhibits an adapted form such that displacement of the piston from the operation position to the rest position generates a vacuum causing suction of a volume of the liquid in the nozzle toward an interior part of the circuit. An independent claim is also included for an electrical domestic appliance.

IPC 8 full level

**B05B 1/30** (2006.01); **B05B 12/00** (2018.01); **B05B 15/00** (2018.01); **D06F 75/22** (2006.01); **F16K 23/00** (2006.01); **B05B 9/08** (2006.01)

CPC (source: CN EP US)

**B05B 1/28** (2013.01 - EP); **B05B 1/3006** (2013.01 - CN); **B05B 1/3033** (2013.01 - EP); **B05B 9/0861** (2013.01 - CN);  
**B05B 12/002** (2013.01 - EP US); **B05B 15/00** (2013.01 - CN); **D06F 75/22** (2013.01 - CN EP); **B05B 9/0861** (2013.01 - EP)

Citation (examination)

- GB 2271624 A 19940420 - TOYOTA MOTOR CO LTD [JP]
- DE 2300045 A1 19740704 - RINCK HANS JOACHIM DIPL ING
- US 2296364 A 19420922 - MILLER WILLIAM J
- US 6152386 A 20001128 - BULLOCK DAVID F [US], et al
- DE 515441 C 19310103 - RENAULT LOUIS

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EP3150285A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2733258 A1 20140521**; **EP 2733258 B1 20161214**; CN 103831187 A 20140604; CN 103831187 B 20171117; ES 2612696 T3 20170518;  
FR 2998199 A1 20140523; FR 2998199 B1 20141121; PL 2733258 T3 20170428

DOCDB simple family (application)

**EP 13192936 A 20131114**; CN 201310574151 A 20131115; ES 13192936 T 20131114; FR 1261035 A 20121120; PL 13192936 T 20131114