

Title (en)

DEVICE FOR FILLING AN AEROSOL CONTAINER WITH LIQUID, FILLING INSTALLATION ADAPTED TO RECEIVE SUCH A DEVICE AND AEROSOL CAP AND CONTAINER EQUIPPED WITH SUCH A FILLING DEVICE

Title (de)

VORRICHTUNG ZUM FÜLLEN EINES AEROSOLBEHÄLTERS MIT FLÜSSIGKEIT, ZUR AUFNAHME SOLCH EINER VORRICHTUNG AUSGEFÜHRTE FÜLLANLAGE UND AEROSOLKAPPE UND BEHÄLTER, DIE MIT SOLCH EINER FÜLLVORRICHTUNG AUSGESTATTET SIND

Title (fr)

DISPOSITIF DE REMPLISSAGE EN LIQUIDE DE RECIPIENT AEROSOL, INSTALLATION DE REMPLISSAGE APTE A RECEVOIR UN TEL DISPOSITIF ET CAPUCHON ET RECIPIENT AEROSOL EQUIPE D'UN TEL DISPOSITIF DE REMPLISSAGE

Publication

**EP 1943146 B1 20091202 (FR)**

Application

**EP 06778834 A 20060707**

Priority

- FR 2006001662 W 20060707
- FR 0509611 A 20050921

Abstract (en)

[origin: US2007062599A1] Device for filling an aerosol container with a liquid using in particular a filling arrangement equipped with a pusher element ( 12 ), includes a cup designed to accommodate the liquid for filling the aerosol container, this cup being provided on its bottom with an injection opening adapted to the valve of the aerosol container, a piston head ( 7 ) acting by pushing on the filling liquid contained in the cup for transferring it from the cup to the container. The piston head ( 7 ) comes in the form of a scraper in continuous contact with the inside wall of the cup during the transfer operation. The piston head ( 7 ) is shaped to work with the cup after transfer to keep the piston head ( 7 ) within the cup to form an airtight wall that retains the residual liquid that has not been transferred within the cup.

IPC 8 full level

**B65B 3/12** (2006.01); **B65B 3/32** (2006.01); **B65B 31/00** (2006.01)

CPC (source: EP US)

**B65B 31/003** (2013.01 - EP US)

Cited by

EP3647210A1; WO2020088903A1; EP3925895A2; DE102020115864A1; US11485524B2; US11753192B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2890940 A1 20070323; FR 2890940 B1 20071026**; AT E450448 T1 20091215; AU 2006293874 A1 20070329; AU 2006293874 B2 20111006; BR PI0616327 A2 20110614; BR PI0616327 B1 20180306; CN 101287651 A 20081015; CN 101287651 B 20110330; DE 202006020389 U1 20080605; DE 602006010899 D1 20100114; EP 1943146 A1 20080716; EP 1943146 B1 20091202; ES 2338255 T3 20100505; JP 2009508768 A 20090305; JP 4906863 B2 20120328; PL 1943146 T3 20100730; RU 2008115462 A 20091027; RU 2381155 C2 20100210; US 2007062599 A1 20070322; US 2007062604 A1 20070322; US 7909070 B2 20110322; US 8171962 B2 20120508; WO 2007034043 A1 20070329; ZA 200802599 B 20100224

DOCDB simple family (application)

**FR 0509611 A 20050921**; AT 06778834 T 20060707; AU 2006293874 A 20060707; BR PI0616327 A 20060707; CN 200680034810 A 20060707; DE 202006020389 U 20060707; DE 602006010899 T 20060707; EP 06778834 A 20060707; ES 06778834 T 20060707; FR 2006001662 W 20060707; JP 2008530560 A 20060707; PL 06778834 T 20060707; RU 2008115462 A 20060707; US 34827206 A 20060207; US 49448906 A 20060728; ZA 200802599 A 20060707