

Title (en)  
Spray device for samples

Title (de)  
Sprühvorrichtung für Probenmengen

Title (fr)  
Dispositif de pulvérisation du type échantillon

Publication  
**EP 1232798 B1 20060816 (FR)**

Application  
**EP 02290147 A 20020121**

Priority  
FR 0102164 A 20010216

Abstract (en)  
[origin: EP1232798A1] The atomizer (1) consists of a container with compressible walls (2) and an opening (8) in a first end (7) which is closed after filling with the product, and a second end (4) which is opened prior to first use to make an outlet (6). The container houses an insert (10) with an atomizing orifice (15) in communication with the product and facing the outlet. The atomizer (1) consists of a container with compressible walls (2) and an opening (8) in a first end (7) which is closed after filling with the product, and a second end (4) which is opened prior to first use to make an outlet (6). The container houses an insert (10) with an atomizing orifice (15) in communication with the product and facing the outlet. The insert is designed to isolate the product from the first opening (8) before it is closed, especially by thermal or ultrasound welding or adhesive.

IPC 8 full level  
**A45D 34/02** (2006.01); **B05B 11/04** (2006.01); **B65B 3/02** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP US)  
**B05B 11/047** (2013.01 - EP US); **B05B 11/048** (2013.01 - EP US); **B65B 3/02** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1232798 A1 20020821; EP 1232798 B1 20060816**; AT E336302 T1 20060915; CA 2371110 A1 20020816; CA 2371110 C 20050426;  
DE 60213893 D1 20060928; DE 60213893 T2 20070104; ES 2269622 T3 20070401; FR 2820993 A1 20020823; FR 2820993 B1 20031031;  
JP 2002347860 A 20021204; JP 3566259 B2 20040915; US 2002117519 A1 20020829; US 6755357 B2 20040629

DOCDB simple family (application)  
**EP 02290147 A 20020121**; AT 02290147 T 20020121; CA 2371110 A 20020205; DE 60213893 T 20020121; ES 02290147 T 20020121;  
FR 0102164 A 20010216; JP 2002040616 A 20020218; US 7519802 A 20020215