

Title (en)

MULTI-REFILLABLE SPRAY CAN, DEVICE FOR FILLING SAID CANS AND METHOD FOR PRODUCING SAID SPRAY CANS

Title (de)

WIEDERHOLT NACHFÜLLBARE SPRAYDOSE, EINRICHTUNG ZUM BEFÜLLEN DERARTIGER DOSEN UND VERFAHREN ZUM HERSTELLEN DERARTIGER DOSEN

Title (fr)

BOMBE A AEROSOL RECHARGEABLE PLUSIEURS FOIS, DISPOSITIF POUR REMPLIR DE TELS RECIPIENTS ET PROCEDE PERMETTANT DE LES PRODUIRE

Publication

EP 1084067 A1 20010321 (DE)

Application

EP 98936090 A 19980603

Priority

DE 9801510 W 19980603

Abstract (en)

[origin: US6332482B1] A multi-refillable spray can with a piston arranged in the cylindrical part of the interior of said can, whereby said piston has seals associated with the inner wall thereof. The area below the piston is filled with compressed air instead of the usual environmentally damaging propellant gases. The spray is accommodated in the area formed by the upper side of the piston, the lower side of the valve head and the upper inner wall of the can. The piston has a rubber valve on the upper side facing the spray, whereby the bottom of the can is fully closed.

IPC 1-7

B65D 83/64; **B65B 31/00**; **B05B 9/08**

IPC 8 full level

B65D 83/38 (2006.01); **B05B 9/08** (2006.01); **B65B 31/00** (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP US)

B05B 9/0838 (2013.01 - EP US); **B65D 83/425** (2013.01 - EP US); **B65D 83/64** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9962792 A1 19991209; AT E216342 T1 20020515; AU 8529598 A 19991220; DE 19882505 D2 20010621; DE 59803889 D1 20020523; EP 1084067 A1 20010321; EP 1084067 B1 20020417; JP 2002516796 A 20020611; US 6332482 B1 20011225

DOCDB simple family (application)

DE 9801510 W 19980603; AT 98936090 T 19980603; AU 8529598 A 19980603; DE 19882505 T 19980603; DE 59803889 T 19980603; EP 98936090 A 19980603; JP 2000552018 A 19980603; US 70138100 A 20001201