

Title (en)
APPLICATOR SYSTEMS

Title (de)
VORRICHTUNG ZUM AUFTRAGEN

Title (fr)
SYSTEMES APPLICATEURS

Publication
EP 1032286 A1 20000906 (EN)

Application
EP 98958671 A 19981120

Priority

- GB 9724716 A 19971121
- US 9824840 W 19981120

Abstract (en)
[origin: WO9926511A1] An applicator system, for use in delivering a flowable composition, comprising a container (12) including an inner collapsible layer distinct from an outer deformable layer, the inner collapsible layer (24) defining a reservoir, and the outer deformable layer (10) being separated from the inner collapsible layer by a buffer zone (32); a dispenser (72) including a first passageway (54, 84) distinct from a second passageway, the first passageway being in communication with the buffer zone and the second passageway (86) being in communication with the reservoir (24); and valve means (96, 98) operable to control entry of air into the buffer zone through the first passageway and exit of flowable composition from the reservoir through the second passageway; wherein the valve means is of unitary construction.

IPC 1-7
A45D 19/02; F16K 15/14; B65D 35/12

IPC 8 full level
A45D 19/02 (2006.01); **A45D 24/26** (2006.01); **B65D 47/42** (2006.01); **B65D 83/00** (2006.01); **A45D 19/00** (2006.01)

CPC (source: EP US)
A45D 19/0066 (2021.01 - EP); **A45D 19/0083** (2021.01 - EP); **A45D 19/026** (2021.01 - EP US); **A45D 19/028** (2021.01 - EP US);
A45D 24/26 (2013.01 - EP); **B65D 47/42** (2013.01 - EP); **B65D 83/0055** (2013.01 - EP); **B65D 2231/004** (2013.01 - EP)

Citation (search report)
See references of WO 9926511A1

Cited by
EP4234428A3; EP3698724A1

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

DOCDB simple family (publication)
WO 9926511 A1 19990603; AT E216201 T1 20020515; AU 1466299 A 19990615; BR 9814700 A 20001003; CA 2310372 A1 19990603;
CA 2310372 C 20050329; CN 1161257 C 20040811; CN 1282226 A 20010131; DE 69804997 D1 20020523; DE 69804997 T2 20021128;
EP 1032286 A1 20000906; EP 1032286 B1 20020417; ES 2172942 T3 20021001; GB 9724716 D0 19980121; JP 2001523502 A 20011127

DOCDB simple family (application)
US 9824840 W 19981120; AT 98958671 T 19981120; AU 1466299 A 19981120; BR 9814700 A 19981120; CA 2310372 A 19981120;
CN 98812300 A 19981120; DE 69804997 T 19981120; EP 98958671 A 19981120; ES 98958671 T 19981120; GB 9724716 A 19971121;
JP 2000521728 A 19981120