

Title (en)
Fluid dispenser

Title (de)
Austragvorrichtung für Medien

Title (fr)
Distributeur de fluide

Publication
EP 0838397 A3 19981125 (DE)

Application
EP 97117474 A 19971009

Priority
DE 19642976 A 19961018

Abstract (en)
[origin: CA2218572A1] A discharge apparatus for media with a medium reservoir and a discharge opening for the medium is at least partly made from a plastic containing at least one substance active against microorganisms. This substance can be an antibiotic, e.g. an antibiotic with bactericidal action from the penicillin group. It is appropriate for the parts of the discharge apparatus coming into contact with the medium to be made from the plastic with additive. Preferably the discharge apparatus is substantially completely made from the plastic with additive. The discharge apparatus according to the invention is preferably used for dosing, feeding, atomizing and/or dispensing pharmaceuticals or cosmetics.

IPC 1-7
B65B 11/00; B65D 47/34; B65D 81/24

IPC 8 full level
B65D 83/38 (2006.01); **A61M 11/00** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP KR US)
B05B 11/0005 (2013.01 - EP US); **B05B 11/1001** (2023.01 - KR); **B05B 11/1026** (2023.01 - EP US); **B65D 81/24** (2013.01 - KR)

Citation (search report)

- [X] US 5360145 A 19941101 - GUERET JEAN-LOUIS H [FR]
- [A] DE 29518284 U1 19960208 - URSATEC VERPACKUNGS GMBH [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 113 (C - 1033) 9 March 1993 (1993-03-09)

Cited by
EP2322066A1; CN1299779C; DE202010006216U1; WO0224262A3

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)
DE 19642976 A1 19980423; AR 009589 A1 20000426; AU 3991597 A 19980423; BR 9705071 A 19990615; CA 2218572 A1 19980418; CN 1182037 A 19980520; EP 0838397 A2 19980429; EP 0838397 A3 19981125; JP H10129759 A 19980519; KR 19980032938 A 19980725; NO 974796 D0 19971017; NO 974796 L 19980511; TR 199701186 A2 19981123; US 6227413 B1 20010508

DOCDB simple family (application)
DE 19642976 A 19961018; AR P970104741 A 19971015; AU 3991597 A 19971003; BR 9705071 A 19971017; CA 2218572 A 19971016; CN 97122757 A 19971017; EP 97117474 A 19971009; JP 29498097 A 19971014; KR 19970053390 A 19971017; NO 974796 A 19971017; TR 9701186 A 19971016; US 94875497 A 19971010