

Title (en)
Discharge device for a flowable medium

Title (de)
Austragsvorrichtung für ein fließfähiges Medium

Title (fr)
Distributeur de produit fluide

Publication
EP 1834704 A3 20090722 (DE)

Application
EP 07003382 A 20070217

Priority
DE 102006012898 A 20060313

Abstract (en)
[origin: EP1834704A2] A piston (24) is operatively connected to an actuating device (30) which can be manually pressed in a pumping direction, and held by a securing element (50) in a pressed-in state. The pumping direction forms approximately a right angle with the principal direction of an extent (2). A pumping device (20) has a pumping chamber (22) closed off on one side by the piston. The piston is movable longitudinally along the pumping direction to generate a discharge pressure.

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP US)
B05B 11/0067 (2013.01 - EP US); **B05B 11/007** (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/1002** (2023.01 - US); **B05B 11/1015** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/105** (2023.01 - EP US); **B05B 11/106** (2023.01 - EP US); **B05B 11/1016** (2023.01 - EP US)

Citation (search report)

- [XA] FR 2632545 A1 19891215 - SCHWAN STABILO SCHWANHAEUSSER [DE]
- [XA] EP 1170061 A2 20020109 - PFEIFFER ERICH GMBH & CO KG [DE]
- [X] WO 0144076 A2 20010621 - TECHNIPLAST [FR], et al
- [X] FR 2794727 A1 20001215 - VALOIS SA [FR]
- [A] US 6123234 A 20000926 - LAI CHIEN-SHENG [TW]

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1834704 A2 20070919; EP 1834704 A3 20090722; AT E524239 T1 20110915; DE 102006012898 A1 20070920; JP 2007245145 A 20070927; JP 5565891 B2 20140806; US 2007210114 A1 20070913; US 8006870 B2 20110830

DOCDB simple family (application)
EP 07003382 A 20070217; AT 07003383 T 20070217; DE 102006012898 A 20060313; JP 2007060138 A 20070309; US 71698207 A 20070312