

Title (en)
Fluid dispenser

Title (de)
Austragvorrichtung für Medien

Title (fr)
Distributeur de fluides

Publication
EP 1477233 A3 20070516 (DE)

Application
EP 04019238 A 20010630

Priority
• DE 10032976 A 20000706
• EP 01115977 A 20010630

Abstract (en)
[origin: EP1477233A2] A device (11) for dispensing media comprising a pump (18) and an operating element (24) whose action direction (F) differs from the stroke direction (H) of the pump, is new.

IPC 8 full level
A45D 34/02 (2006.01); **B05B 11/00** (2006.01); **B65D 47/34** (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP US)
B05B 11/0038 (2018.08 - EP US); **B05B 11/1011** (2023.01 - EP US); **B05B 11/1015** (2023.01 - EP US); **B05B 11/1056** (2023.01 - EP US);
B05B 11/1057 (2023.01 - EP US); **B05B 11/1023** (2023.01 - EP US)

Citation (search report)
• [X] DE 19610456 A1 19970918 - PFEIFFER ERICH GMBH & CO KG [DE]
• [X] EP 0925799 A2 19990630 - PY DANIEL C [US]
• [X] GB 1508292 A 19780419 - TADA TETSUYA [JP]
• [X] FR 2781772 A1 20000204 - SOFAB [FR]

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WO2006097753A1; JP2008532677A

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 1170061 A2 20020109; EP 1170061 A3 20031119; EP 1170061 B1 20091223; AT E452708 T1 20100115; DE 10032976 A1 20020117;
DE 20122164 U1 20040624; DE 50115270 D1 20100204; EP 1477233 A2 20041117; EP 1477233 A3 20070516; JP 2002128122 A 20020509;
US 2002008122 A1 20020124; US 6527144 B2 20030304

DOCDB simple family (application)
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