

Title (en)  
METERING PUMP

Title (de)  
DOSIERPUMPE

Title (fr)  
POMPE DE DOSAGE

Publication  
**EP 1266139 A1 20021218 (DE)**

Application  
**EP 01907300 A 20010305**

Priority  
• EP 01907300 A 20010305  
• CH 0100134 W 20010305  
• EP 00810203 A 20000310

Abstract (en)  
[origin: EP1132616A1] The pump has a chamber(22) to hold fluid and which on one side is bounded by a membrane(20) which in order to change the volume of the chamber is movable by a lifting device(18) in the form of a proportional magnet(12) with a pusher(14) on one end of the coil core and acting upon an operating piston(18). The pump has a lockable inlet valve(30) between a fluid supply and the aforesaid chamber, a lockable outlet valve(34) between the chamber and fluid dispenser, and a lockable vent valve(32) between the chamber and the outside atmosphere. An Independent claim is included for a use for the dosing pump which is for an accurate, defined and reproducible application of a predetermined volume of lacquer or adhesive to the surface of a disc-form data carrier to produce a thin film.

IPC 1-7  
**F04B 13/00**; **F04B 53/06**; **F04B 43/04**

IPC 8 full level  
**F04B 49/06** (2006.01); **F04B 13/00** (2006.01); **F04B 43/02** (2006.01); **F04B 43/04** (2006.01); **F04B 53/06** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)  
**F04B 13/00** (2013.01 - EP US); **F04B 43/04** (2013.01 - EP US); **F04B 53/06** (2013.01 - EP US)

Citation (search report)  
See references of WO 0166944A1

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 1132616 A1 20010912**; AU 3530201 A 20010917; EP 1266139 A1 20021218; JP 2003526049 A 20030902; US 2003113218 A1 20030619; WO 0166944 A1 20010913

DOCDB simple family (application)  
**EP 00810203 A 20000310**; AU 3530201 A 20010305; CH 0100134 W 20010305; EP 01907300 A 20010305; JP 2001565532 A 20010305; US 22132202 A 20021028