

Title (en)

MICROFLUIDIC DEVICE FOR HANDLING A NON-MAGNETIC LIQUID

Title (de)

MIKROFLUIDVORRICHTUNG ZUR HANDHABUNG EINER NICHTMAGNETISCHEN FLÜSSIGKEIT

Title (fr)

DISPOSITIF MICRO-FLUIDIQUE POUR LA MANIPULATION D'UN LIQUIDE NON MAGNETIQUE.

Publication

**EP 1436085 A1 20040714 (FR)**

Application

**EP 02795313 A 20021014**

Priority

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- FR 0113262 A 20011015

Abstract (en)

[origin: FR2830777A1] Microfluid pump for non-magnetic fluid, has a cell with a chamber to contain magnetic fluid (5) which will not mix with the non-magnetic fluid (7) to be pumped. Magnet unit (6) applies a local magnetic field to the fluid causing a depression to be filled by the non-magnetic fluid. The magnetic field can be shifted, so that the non-magnetic fluid is moved between inflow (3) and outflow (4).

IPC 1-7

**B01L 3/00**; **F16K 13/10**; **F16K 31/08**

IPC 8 full level

**B01L 3/00** (2006.01); **F16K 13/10** (2006.01); **F16K 31/08** (2006.01); **G01N 21/64** (2006.01)

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