

Title (en)

METHOD AND DEVICE FOR MANIPULATING PARTICLES IN MICROSYSTEMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MANIPULATION VON PARTIKELN IN MIKROSYSTEMEN

Title (fr)

PROCEDE ET DISPOSITIF DE MANIPULATION DE PARTICULES DANS UN MICROSYSTEME

Publication

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Application

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Abstract (en)

[origin: US6465225B1] For manipulation of particles in a fluidic microsystem (15) in which the particles are moved in a predetermined reference direction in a suspension liquid, the microsystem (15) is closed off at least at its end (17a, 17b) pointing to the reference direction. The particles move under the influence of centrifugal forces and/or gravitational forces in the suspension liquid which is stationary in relation to the microsystem (15), with the centrifugal forces and/or gravitational forces essentially extending parallel to the reference direction. Furthermore, the particles in the microsystem (15) are exposed to deflection forces whose direction differs from that of the reference direction. (FIG. 1).

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**G01N 15/04; B03C 5/02**

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