

Title (en)

METHOD AND DEVICE FOR MANIPULATING SMALL QUANTITIES OF LIQUID

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MANIPULATION KLEINER FLÜSSIGKEITSMENGEN

Title (fr)

PROCEDE ET DISPOSITIF DE MANIPULATION DE PETITES QUANTITES DE LIQUIDES

Publication

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Application

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Abstract (en)

[origin: US2004072366A1] The invention relates to a device for manipulating small quantities of liquid on a solid body surface with at least one defined holding area with wetting properties other than the surroundings, whose material is such that the liquid to be manipulated preferably stays in the holding area, whereby the holding area has at least one constriction zone which cannot be overcome by the liquid due to its surface tension in the normal state, and whereby at least one device for generating an external force is provided substantially in the direction of the at least one constriction zone. The invention also relates to a corresponding method for manipulating small quantities of liquid on solid body surfaces and a method for generating a defined quantity of liquid using the method according to the present invention.

IPC 8 full level

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