

Title (en)

METHOD AND DEVICE FOR MANIPULATING AND OBSERVING LIQUID DROPLETS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HANDHABUNG UND ÜBERWACHUNG VON FLÜSSIGKEITSTROPFEN

Title (fr)

PROCEDE ET DISPOSITIF DE MANIPULATION ET D'OBSERVATION DE GOUTTES DE LIQUIDE

Publication

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Application

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Abstract (en)

[origin: WO2010004014A1] The invention relates to a device and a method for manipulating and observing particles suspended in a liquid. The device comprises: a first substrate (12) having at least a first orifice (21) forming a site for the entry of said liquid; an observation site (100), for observing the suspended particles; and means for displacing the liquid from said entry site (21) to said observation site (100). According to the invention, since the first substrate (12) includes a first hydrophobic layer (52) and the liquid is electrically conducting, said means for displacing the liquid are capable of displacing said liquid in the form of a droplet (F1) by electrowetting, said droplet (F1) being in contact with said hydrophobic layer (52).

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