

Title (en)

METHOD AND DEVICE FOR MANIPULATING SMALL AMOUNTS OF LIQUID ON SURFACES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MANIPULATION KLEINER FLÜSSIGKEITSMENGEN AUF OBERFLÄCHEN

Title (fr)

PROCEDE ET DISPOSITIF DE MANIPULATION DE PETITES QUANTITES DE LIQUIDE SUR DES SURFACES

Publication

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Application

EP 02732662 A 20020424

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- EP 0204545 W 20020424

Abstract (en)

[origin: WO02085520A2] The invention relates to methods and devices for manipulating small amounts of liquid on surfaces, preferably on chip surfaces. According to the invention, an amount of liquid, which is held together by the surface tension thereof, is placed onto an area of a surface having at least one intermediate area that, at least in a lateral direction in space, abuts against a guide strip. Either the guide strips have a surface condition, which differs from that of the intermediate area in that they are made wetter by a liquid or the intermediate area is elevated with regard to the guide strips, whereby the height of the step is small compared to the height of the amount of liquid.

[origin: WO02085520A2] The invention relates to methods and devices for manipulating small amounts of liquid (1) on surfaces, preferably on chip surfaces. According to the invention, an amount of liquid, which is held together by the surface tension thereof, is placed onto an area of a surface having at least one intermediate area (3, 4) that, at least in a lateral direction in space, abuts against a guide strip (5, 6). Either the guide strips (5, 6) have a surface condition, which differs from that of the intermediate area (3, 4) in that they are made wetter by a liquid or the intermediate area (3, 4) is elevated with regard to the guide strips (5, 6), whereby the height of the step is small compared to the height of the amount of liquid (1).

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Citation (search report)

See references of WO 02085520A2

Citation (examination)

- WO 02057014 A1 20020725 - ADVALYTIX AG [DE], et al
- WO 0194017 A1 20011213 - ADVALYTIX AG [DE], et al

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