

Title (en)
DEVICE FOR HANDLING DROPS FOR BIOCHEMICAL ANALYSIS, METHOD FOR PRODUCING SAID DEVICE AND A SYSTEM FOR MICROFLUIDIC ANALYSIS

Title (de)
VORRICHTUNG ZUR HANDHABUNG VON TROPFEN ZUR BIOCHEMISCHEN ANALYSE, VERFAHREN ZUR HERSTELLUNG EINER DERARTIGEN VORRICHTUNG UND SYSTEM ZUR MIKROFLUIDISCHEN ANALYSE

Title (fr)
DISPOSITIF DE MANIPULATION DE GOUTTES DESTINE A L'ANALYSE BIOCHIMIQUE, PROCEDE DE FABRICATION DU DISPOSITIF, ET SYSTEME D'ANALYSE MICROFLUIDIQUE

Publication
EP 1781409 A2 20070509 (FR)

Application
EP 05775767 A 20050606

Priority
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Abstract (en)
[origin: US2008110753A1] A device for handling drops on a displacement by electrowetting plane, including at least one displacement track. The track includes an electrically insulating substrate on the surface of which rest two or more interdigitated conducting electrodes. These electrodes are covered by a dielectric insulating layer, itself covered by a partially-wetting layer. Also, a method for the manufacture of the aforementioned device, in which the creation of the partially-wetting layer includes the creation of a mask in a photosensitive material by the deposition of this material onto a substrate, then a photolithographic stage, followed by development of the photosensitive material, the deposition of a non-wetting material onto the mask, at least one annealing process before dissolution, dissolution of the mask, and at least one annealing process after dissolution. Also, a system for the microfluidic analysis of a liquid sample.

IPC 8 full level
B01L 3/00 (2006.01); **C25B 9/17** (2021.01); **B01F 13/00** (2006.01); **B01L 99/00** (2010.01); **F04B 19/00** (2006.01)

CPC (source: EP KR US)
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