

Title (en)
MICROFLUIDIC SYSTEM AND CORRESPONDING CONTROL METHOD

Title (de)
MIKROFLUIDISCHES SYSTEM UND ZUGEHÖRIGES ANSTEUERVERFAHREN

Title (fr)
SYSTEME MICROFLUIDIQUE ET PROCEDE DE COMMANDE CORRESPONDANT

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Abstract (en)
[origin: WO2006097312A1] The invention relates to a microfluidic system comprising a carrier current channel (1) for receiving a carrier current containing particles suspended therein, and at least one electrode arrangement (3) which is arranged in the carrier current channel and used to manipulate the suspended particles (2), said electrode arrangement (3) comprising two manipulation electrodes (4, 5). According to the invention, the electrode arrangement (3) comprises two centering electrodes (6, 7), in addition to the two manipulation electrodes (4, 5), for centering the particles, the two centering electrodes (6, 7) being arranged in the carrier current channel (1) respectively upstream of one of the two manipulation electrodes (4, 5). The invention also relates to a corresponding control method.

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