

Title (en)

MICROFLUIDIC DEVICE DESIGNED TO MODIFY THE PHASE OF A WAVE FRONT AND OPTICAL SYSTEM COMPRISING SUCH A DEVICE

Title (de)

MIKROFLUIDISCHE VORRICHTUNG ZUM MODIFIZIEREN DER PHASE EINER WELLENFRONT UND OPTISCHES SYSTEM MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF MICRO-FLUIDIQUE ADAPTÉ POUR MODIFIER LA PHASE D'UN FRONT D'ONDE ET SYSTÈME OPTIQUE COMPRENANT UN TEL DISPOSITIF

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Application

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Abstract (en)

[origin: WO2020079169A1] The invention relates to a microfluidic device (10) comprising: – a substrate (Sub) which are positioned walls (W) delimiting a plurality of contiguous chambers (Chi), – a flexible membrane (Memb) positioned and fixed on the walls in such a way as to form closed chambers, the chambers being intended to be filled with fluid, – at least one canal (CAi) connected to each chamber, the said canal being connected only to one single chamber, a canal being intended to activate the associated chamber by applying a determined pressure to the fluid of the said chamber so as locally to create elastic deformation of the said membrane, a chamber therefore being intended to be activated by the associated canal independently of the other chambers.

IPC 8 full level

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