

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

Publication
EP 3867688 A1 20210825 (FR)

Application
EP 19786983 A 20191017

Priority
• FR 1801098 A 20181018
• EP 2019078254 W 20191017

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
G02B 26/00 (2006.01); **G02B 1/06** (2006.01); **G02B 26/06** (2006.01)

CPC (source: EP)
G02B 26/004 (2013.01); **G02B 26/06** (2013.01); **G02B 1/06** (2013.01)

Citation (search report)
See references of WO 2020079169A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020079169 A1 20200423; EP 3867688 A1 20210825; FR 3087430 A1 20200424; FR 3087430 B1 20201204

DOCDB simple family (application)
EP 2019078254 W 20191017; EP 19786983 A 20191017; FR 1801098 A 20181018