

Title (en)  
MICROFLUIDIC DEVICE AND MANUFACTURING METHOD THEREFOR

Title (de)  
MIKROFLUIDISCHE VORRICHTUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
DISPOSITIF MICROFLUIDIQUE ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 3498373 A4 20200226 (EN)**

Application  
**EP 17839627 A 20170410**

Priority  

- KR 20160102883 A 20160812
- KR 20160116705 A 20160909
- KR 2017003865 W 20170410

Abstract (en)  
[origin: EP3498373A1] The present invention relates to a microfluidic device and a manufacturing method therefore and, more particularly, to a microfluidic device comprising: a first substrate layer; a second substrate layer formed on at least one surface of the first substrate layer; and a plurality of transducers formed on the surface of the first substrate layer and embedded in the second substrate layer, wherein the transducer comprises a conductive microfluidic channel. The present invention can provide an elastic wave substrate microfluidic device capable of controlling an elastic wave according to a property of a microparticle and capable of being manufactured without expensive equipment and complicated process procedures.

IPC 8 full level  
**B01L 3/00** (2006.01)

CPC (source: EP KR US)  
**B01L 3/502707** (2013.01 - EP KR US); **B01L 3/502715** (2013.01 - EP KR US); **B01L 3/502753** (2013.01 - KR); **B01L 3/502761** (2013.01 - EP KR US); **B01L 2200/0652** (2013.01 - EP KR US); **B01L 2200/10** (2013.01 - KR); **B01L 2200/12** (2013.01 - US); **B01L 2300/12** (2013.01 - KR US); **B01L 2400/0436** (2013.01 - EP KR US); **B01L 2400/0493** (2013.01 - KR)

Citation (search report)  

- [X] US 2010200092 A1 20100812 - BELTRAM FABIO [IT], et al
- [X] US 2015330887 A1 20151119 - SHIN SE HYUN [KR], et al
- [XA] US 2013192958 A1 20130801 - DING XIAOYUN [US], et al
- [XA] US 2010139377 A1 20100610 - HUANG TONY JUN [US], et al
- [A] WO 2008069551 A1 20080612 - KOREA ELECTRONICS TELECOMM [KR], et al
- See also references of WO 2018030609A1

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

DOCDB simple family (publication)  
**EP 3498373 A1 20190619; EP 3498373 A4 20200226**; CN 109641210 A 20190416; CN 109641210 B 20210330; KR 101891401 B1 20180823; KR 20180018233 A 20180221

DOCDB simple family (application)  
**EP 17839627 A 20170410**; CN 201780049472 A 20170410; KR 20160116705 A 20160909