

Title (en)

FLUIDIC MICROELECTROMECHANICAL SENSORS/DEVICES AND FABRICATION METHODS THEREOF

Title (de)

FLUIDISCHE MIKROELEKTROMECHANISCHE SENSOREN/VORRICHTUNGEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

CAPTEURS/DISPOSITIFS MICROFLUIDIQUES FLUIDIQUES ET PROCÉDÉS DE FABRICATION ASSOCIÉS

Publication

EP 3485249 A4 20200122 (EN)

Application

EP 17836522 A 20170801

Priority

- US 201615227278 A 20160803
- IL 2017050851 W 20170801

Abstract (en)

[origin: WO2018025264A1] Structure and assembly of fluidic sensor devices are disclosed. A fluid sensor in some possible embodiments comprises a unitary/monolithic base body structure, or a base body structure assembled from two or more separate body elements configured to attach one to the other, and the base body structure having a fluid channel passing along the base body structure, an opening formed in said base body structure and fluidly communicating with the channel, and a sealing element comprising one or more sensing elements patterned thereon and sealably attached over the at least one opening such that its one or more sensing elements become located over the at least one opening.

IPC 8 full level

G01L 7/00 (2006.01); **A61M 5/14** (2006.01); **A61M 5/168** (2006.01); **B01L 3/00** (2006.01); **G01L 1/22** (2006.01); **G01L 7/08** (2006.01); **G01L 9/00** (2006.01)

CPC (source: EP IL US)

A61M 5/16804 (2013.01 - EP IL); **A61M 5/16877** (2013.01 - EP IL); **B01L 3/502707** (2013.01 - EP IL US); **B01L 3/502715** (2013.01 - EP IL US); **B01L 3/502746** (2013.01 - IL); **G01L 1/2262** (2013.01 - EP IL); **B01L 3/502746** (2013.01 - EP US); **B01L 2200/025** (2013.01 - EP IL); **B01L 2200/0605** (2013.01 - EP IL); **B01L 2200/0689** (2013.01 - EP IL); **B01L 2200/143** (2013.01 - IL US); **B01L 2200/147** (2013.01 - IL US); **B01L 2300/023** (2013.01 - EP IL US); **B01L 2300/0645** (2013.01 - EP IL US); **B01L 2300/0663** (2013.01 - EP IL); **B01L 2300/0803** (2013.01 - EP IL); **B01L 2300/0887** (2013.01 - EP IL); **B01L 2300/123** (2013.01 - EP IL US); **B01L 2400/0655** (2013.01 - IL US); **B01L 2400/082** (2013.01 - IL US)

Citation (search report)

- [X] US 2004222091 A1 20041111 - LAUKS IMANTS [CA], et al
- [X] US 2013127879 A1 20130523 - BURNS DAVID WILLIAM [US], et al
- [X] US 2009288492 A1 20091126 - STEWART CARL [US], et al
- [X] US 2007277623 A1 20071206 - MCDONALD WILLIAM G [US], et al
- See also references of WO 2018025264A1

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)

WO 2018025264 A1 20180208; EP 3485249 A1 20190522; EP 3485249 A4 20200122; IL 264544 A 20190228; IL 264544 B 20220401

DOCDB simple family (application)

IL 2017050851 W 20170801; EP 17836522 A 20170801; IL 26454419 A 20190130