

Title (en)

MICROFLUIDIC FLOW CELL ASSEMBLIES FOR IMAGING AND METHOD OF USE

Title (de)

MIKROFLUIDISCHE DURCHFLUSSZELLENANORDNUNGEN ZUR BILDGEBUNG UND VERFAHREN ZUR VERWENDUNG

Title (fr)

ENSEMBLES DE CUVES À CIRCULATION MICROFLUIDIQUE POUR IMAGERIE ET PROCÉDÉ D'UTILISATION

Publication

**EP 3143379 A1 20170322 (EN)**

Application

**EP 15792752 A 20150424**

Priority

- US 201414277503 A 20140514
- US 2015027549 W 20150424

Abstract (en)

[origin: WO2015175188A1] A microfluidic flow cell subassembly, which may be assembled into a flow cell having fluidic connections outside of the main substrate, is described for encapsulating a sample to allow for subsequent controlled delivery of reagents to the sample, such as multiplexed in situ biomarker staining and analysis. As configured, the subassembly comprises a substrate layer forms a flexible optically transparent lid which is capable of bending in either direction to alter the internal dimensions of the subassembly. Methods of use are also disclosed.

IPC 8 full level

**G01N 21/05** (2006.01)

CPC (source: EP)

**B01L 3/502707** (2013.01); **B01L 3/502715** (2013.01); **G01N 21/05** (2013.01); **G01N 21/6452** (2013.01); **G01N 21/6458** (2013.01); **B01F 31/31** (2022.01); **B01L 2200/025** (2013.01); **B01L 2200/027** (2013.01); **B01L 2200/028** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2300/0874** (2013.01); **B01L 2300/0887** (2013.01); **B01L 2300/123** (2013.01); **G01N 2021/0346** (2013.01)

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 2015175188 A1 20151119**; EP 3143379 A1 20170322; EP 3143379 A4 20170531; JP 2017516099 A 20170615; JP 6723541 B2 20200715

DOCDB simple family (application)

**US 2015027549 W 20150424**; EP 15792752 A 20150424; JP 2016567401 A 20150424