

Title (en)  
SPATIALLY CORRELATED LIGHT COLLECTION FROM MULTIPLE SAMPLE STREAMS EXCITED WITH A LINE FOCUSED LIGHT SOURCE

Title (de)  
RÄUMLICH KORRELIERTE LICHTSAMMLUNG AUS MEHREREN MIT EINER LEITUNGSFOKUSSIERTEN LICHTQUELLE ANGEREGTEN PROBENSTRÖMEN

Title (fr)  
COLLECTE DE LUMIÈRE SPATIALEMENT CORRÉLÉE À PARTIR DE FLUX D'ÉCHANTILLONS MULTIPLES EXCITÉS À L'AIDE D'UNE SOURCE LUMINEUSE CONCENTRÉE SUR UNE LIGNE

Publication  
**EP 2864762 A4 20160120 (EN)**

Application  
**EP 13807610 A 20130315**

Priority  
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• US 2013032025 W 20130315

Abstract (en)  
[origin: WO2013191772A1] An affordable flow cytometry system with a significantly increased analytical rate, volumetric sample delivery and usable particle size including a light beam that interrogates multiple flow streams so as to provide excitation across all of the streams, and an optical objective configured to collect light from the sample streams and image the light onto an array detector.

IPC 8 full level  
**G01N 15/14** (2006.01); **C12Q 1/02** (2006.01); **G01N 21/27** (2006.01)

CPC (source: EP)  
**G01N 15/1404** (2013.01); **G01N 15/1459** (2013.01); **G01N 2015/142** (2013.01)

Citation (search report)  
• [X] US 2008180666 A1 20080731 - GILBERT JOHN R [US], et al  
• [X] US 2006146327 A1 20060706 - WANG JIAN [US], et al  
• [A] US 2010139377 A1 20100610 - HUANG TONY JUN [US], et al  
• [A] US 2008268469 A1 20081030 - SRIENC FRIEDRICH [US], et al  
• [X] MENAKE E. PIYASENA ET AL: "Multinode Acoustic Focusing for Parallel Flow Cytometry", ANALYTICAL CHEMISTRY, vol. 84, no. 4, 12 January 2012 (2012-01-12), US, pages 1831 - 1839, XP055235404, ISSN: 0003-2700, DOI: 10.1021/ac200963n  
• [A] PEARLSON P. AUSTIN SUTHANTHIRARAJ ET AL: "One-dimensional acoustic standing waves in rectangular channels for flow cytometry", METHODS, vol. 57, no. 3, 3 March 2012 (2012-03-03), US, pages 259 - 271, XP055235405, ISSN: 1046-2023, DOI: 10.1016/j.ymeth.2012.02.013  
• [A] SOOJUNG CLAIRE HUR ET AL: "Sheathless inertial cell ordering for extreme throughput flow cytometry", LAB ON A CHIP, vol. 10, no. 3, 18 December 2009 (2009-12-18), GB, pages 274 - 280, XP055235406, ISSN: 1473-0197, DOI: 10.1039/B919495A  
• See references of WO 2013191772A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 2013032025 W 20130315**; EP 13807610 A 20130315; JP 2015518392 A 20130315