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(54) **CELL SORTING USING A HIGH THROUGHPUT FLUORESCENCE FLOW CYTOMETER**
ZELLSORTIERUNG MIT EINEM HOCHDURCHSATZ-FLUORESZENZDURCHFLUSSZYTOMETER
TRI DE CELLULES À L'AIDE D'UN CYTOMÈTRE DE FLUX À FLUORESCENCE À HAUT DÉBIT

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(73) Proprietor: **Becton, Dickinson and Company**
Franklin Lakes, NJ 07417-1880 (US)

(72) Inventors:
• **DIEBOLD, Eric**
Los Angeles, California 90064 (US)
• **OWSLEY, Keegan**
Santa Clara, California 95008 (US)
• **LIN, Jonathan**
Los Angeles, California 90024 (US)

(74) Representative: **Duxbury, Stephen**
Arnold & Siedsma
Bavariaring 17
80336 München (DE)

(56) References cited:
WO-A1-2014/110290 WO-A1-2014/110290
WO-A1-2015/143041 US-A- 4 545 677
US-A- 5 192 870 US-A- 5 192 870

- **DANIEL R. SISAN ET AL: "Event Ordering in Live-Cell Imaging Determined from Temporal Cross-Correlation Asymmetry", BIOPHYSICAL JOURNAL, vol. 98, no. 11, 1 June 2010 (2010-06-01), AMSTERDAM, NL, pages 2432 - 2441, XP055386084, ISSN: 0006-3495, DOI: 10.1016/j.bpj.2010.02.041**
- **MICHELLE A. DIGMAN ET AL: "Fluorescence correlation spectroscopy and fluorescence cross-correlation spectroscopy", WILEY INTERDISCIPLINARY REVIEWS. SYSTEMS BIOLOGY AND MEDICINE, vol. 1, no. 2, 29 April 2009 (2009-04-29), US, pages 273 - 282, XP055386090, ISSN: 1939-5094, DOI: 10.1002/wsbm.5**

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| <ul style="list-style-type: none"> • THEWS E ET AL: "CROSS TALK FREE FLUORESCENCE CROSS CORRELATION SPECTROSCOPY IN LIVE CELLS", BIOPHYSICAL JOURNAL, ELSEVIER, AMSTERDAM, NL, vol. 89, no. 3, 30 September 2005 (2005-09-30), pages 2069 - 2076, XP008056105, ISSN: 0006-3495, DOI: 10.1529/BIOPHYSJ.104.057919 • "Current Protocols in Cytometry", 1 October 2009, JOHN WILEY & SONS, INC., Hoboken, NJ, USA, ISBN: 978-0-471-14295-9, article ROBERT A. HOFFMAN: "Pulse Width for Particle Sizing", XP055386079, DOI: 10.1002/0471142956.cy0123s50 • SHAPIRO H M ED - HOWARD M SHAPIRO: "Practical Flow Cytometry, Flow Sorting", 1 May 2003, PRACTICAL FLOW CYTOMETRY, WILEY-LISS, HOBOKEN, NJ, PAGE(S) 257 - 271, ISBN: 978-0-471-41125-3, XP002626264 • "Current Protocols in Cytometry", 1 October 2009, JOHN WILEY & SONS, INC., Hoboken, NJ, USA, ISBN: 978-0-471-14295-9, article ROBERT A. HOFFMAN: "Pulse Width for Particle Sizing", XP055386079, DOI: 10.1002/0471142956.cy0123s50 | <ul style="list-style-type: none"> • THEWS E ET AL: "CROSS TALK FREE FLUORESCENCE CROSS CORRELATION SPECTROSCOPY IN LIVE CELLS", BIOPHYSICAL JOURNAL, ELSEVIER, AMSTERDAM, NL, vol. 89, no. 3, 30 September 2005 (2005-09-30), pages 2069 - 2076, XP008056105, ISSN: 0006-3495, DOI: 10.1529/BIOPHYSJ.104.057919 • DANIEL R. SIVAN ET AL: "Event Ordering in Live-Cell Imaging Determined from Temporal Cross-Correlation Asymmetry", BIOPHYSICAL JOURNAL, vol. 98, no. 11, 1 June 2010 (2010-06-01), AMSTERDAM, NL, pages 2432 - 2441, XP055386084, ISSN: 0006-3495, DOI: 10.1016/j.bpj.2010.02.041 • MICHELLE A. DIGMAN ET AL: "Fluorescence correlation spectroscopy and fluorescence cross-correlation spectroscopy", WILEY INTERDISCIPLINARY REVIEWS. SYSTEMS BIOLOGY AND MEDICINE, vol. 1, no. 2, 29 April 2009 (2009-04-29), US, pages 273 - 282, XP055386090, ISSN: 1939-5094, DOI: 10.1002/wsbm.5 |
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