

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 October 2007 (25.10.2007)

PCT

(10) International Publication Number
WO 2007/119263 A3

- (51) International Patent Classification:
G01N 15/14 (2006.01) G01N 21/47 (2006.01)
- (21) International Application Number:
PCT/IT2007/000299
- (22) International Filing Date: 19 April 2007 (19.04.2007)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data:

CE2006A000008	19 April 2006 (19.04.2006)	IT
CE2006A000009	20 April 2006 (20.04.2006)	IT
CE2006A000010	20 April 2006 (20.04.2006)	IT
CE2006A000011	20 April 2006 (20.04.2006)	IT

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv))

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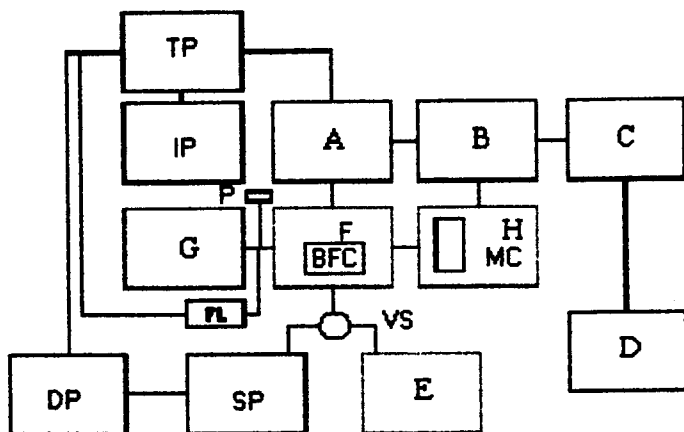
Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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(88) Date of publication of the international search report:
29 November 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR ACQUIRING 2D AND 3D IMAGE OF SINGLE PARTICLES IN A FLOW STREAM



(57) Abstract: An innovative opto-electronic system, which integrates in a single module, combining them simultaneously, the 2d/3d image capture functionality of single cell/ particles (tomography) carried in a laminar or non-laminar flow with the measurement possibilities of a flow-cytometer (cell dimension, granularity). The 2d/3d image capture unit of single particles, comprising a microscope objective and a micro- channelled measurement chamber, has been demonstrated and applied, as industrial application, in a cyto-tomographic equipment. The software for control acquisition and analysis of signal and of images originated from a single cell in a laminar flow has been developed with a high degree of operative implicitness and reliability in the automatic data analysis, making easier the interpretative approach of the results.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IT2007/000299

A. CLASSIFICATION OF SUBJECT MATTER
 INV. G01N15/14 G01N21/47

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GRIMALDI D ET AL: "Hardware and software improvements in flow-cytometry measurements" MEASUREMENT, INSTITUTE OF MEASUREMENT AND CONTROL. LONDON, GB, vol. 36, no. 2, September 2004 (2004-09), pages 111-119, XP004576357 ISSN: 0263-2241 abstract figures 1,2 page 111, column 2, line 3 - page 112, column 1, line 48 page 113, column 2, line 18 - page 116, column 2, line 22 page 118, column 1, line 9 - line 23 ----- -/--	1

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Date of the actual completion of the international search

3 October 2007

Date of mailing of the international search report

17/10/2007

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IT2007/000299

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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International application No

PCT/IT2007/000299

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