

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 November 2008 (27.11.2008)

PCT

(10) International Publication Number  
**WO 2008/142723 A3**

- (51) International Patent Classification:  
*G01N 21/17* (2006.01)
- (21) International Application Number:  
PCT/IT2008/000334
- (22) International Filing Date: 19 May 2008 (19.05.2008)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data:  
CS2007A000024 18 May 2007 (18.05.2007) IT
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, ME, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**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

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR MEASURING CIRCULAR DICHROISM IN REAL TIME

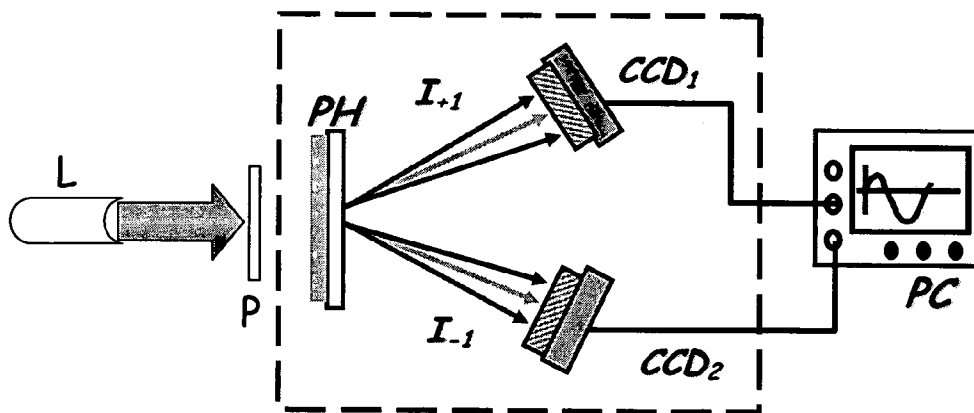


Fig. 3

(57) Abstract: Method and device for measuring the circular dichroism of a sample in which a beam of light passes through the said sample, characterised by the fact that the said beam successively passes through a grating and that the diffracted beams are collected and the signals of the diffracted beams are sent to a computer that through a software calculates the value of the circular dichroism, carrying out the logarithm of the diffracted beams intensities ratio.

WO 2008/142723 A3



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(88) Date of publication of the international search report:  
8 January 2009

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/IT2008/000334

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. G01N21/17

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 G02F

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, INSPEC, WPI Data, SCISEARCH, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CIPPARRONE G ET AL: "Permanent polarization gratings in photosensitive Langmuir-Blodgett films for polarimetric applications" JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B (OPTICAL PHYSICS) OPT. SOC. AMERICA USA, [Online] vol. 19, no. 5, May 2002 (2002-05), pages 1157-1161, XP002502918 ISSN: 0740-3224 Retrieved from the Internet: URL: <a href="http://www.opticsinfobase.org/josab/abstract.cfm?uri=josab-19-5-1157">http://www.opticsinfobase.org/josab/abstract.cfm?uri=josab-19-5-1157</a>&gt; [retrieved on 2008-11-06] page 1159, column 1, last paragraph - page 1161, column 2, last line ; figures 1-4</p> <p style="text-align: center;">----- -/--</p>	1-16

Further documents are listed in the continuation of Box C.

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Date of the actual completion of the international search

7 November 2008

Date of mailing of the international search report

20/11/2008

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2  
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International application No  
PCT/IT2008/000334

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	<p>CIPPARRONE G ET AL: "Permanent polarization gratings in photosensitive Langmuir-Blodgett films" APPLIED PHYSICS LETTERS, AIP, AMERICAN INSTITUTE OF PHYSICS, MELVILLE, NY, vol. 77, no. 14, 2 October 2000 (2000-10-02), pages 2106-2108, XP012026258 ISSN: 0003-6951 page 2106, column 1, line 1 - page 2108, column 2, line 23; figures 1-3</p>	1-16
A	<p>YOHJI SHINDO ET AL: "A NEW TYPE OF CIRCULAR DICHROISM SPECTROMETER UPGRADED VERSION" REVIEW OF SCIENTIFIC INSTRUMENTS, AIP, MELVILLE, NY, US, vol. 66, no. 4, 1 April 1995 (1995-04-01), page 3079/3080, XP000501111 ISSN: 0034-6748 figure 1</p>	1-16
A	<p>KELLY SHARON M ET AL: "How to study proteins by circular dichroism" BIOCHIMICA ET BIOPHYSICA ACTA(BBA), vol. 1751, no. 2, 10 August 2005 (2005-08-10), pages 119-139, XP005009123 ISSN: 1570-9639 paragraph [005.]</p>	1-16
A	<p>BLINOV L M ET AL: "Photochromism and holographic grating recording on a chiral side-chain liquid crystalline copolymer containing azobenzene chromophores" CHEM. PHYS, [Online] vol. 245, 1999, pages 473-485, XP002502928 Retrieved from the Internet: URL:<a href="http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TFM-3Y9MR96-1B&amp;_user=987766&amp;_rdoc=1&amp;_fmt=&amp;_orig=search&amp;_sort=d&amp;view=c&amp;_acct=C000049880&amp;_version=1&amp;_urlVersion=0&amp;_userid=987766&amp;md5=4e6116e2e92388ce3c44f2ea0bb910ac">http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TFM-3Y9MR96-1B&amp;_user=987766&amp;_rdoc=1&amp;_fmt=&amp;_orig=search&amp;_sort=d&amp;view=c&amp;_acct=C000049880&amp;_version=1&amp;_urlVersion=0&amp;_userid=987766&amp;md5=4e6116e2e92388ce3c44f2ea0bb910ac</a> [retrieved on 2008-11-06] paragraph [003.]</p>	1-16

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International application No  
PCT/IT2008/000334

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZHENG Z ET AL: "Photoinduced chirality in achiral liquid crystalline polymethacrylates containing bisazobenzene and azobenzene chromophores" JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, vol. 185, no. 2-3, 27 December 2006 (2006-12-27), pages 338-344, XP005816328 ISSN: 1010-6030 paragraphs [001.] - [003.]	1-16
T	PAGLIUSI P ET AL: "Spectrograph based on a single diffractive element for real-time measurement of circular dichroism" APPLIED SPECTROSCOPY, vol. 62, no. 5, May 2008 (2008-05), pages 465-468, XP002502930 the whole document	1-16