

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 March 2006 (16.03.2006)

PCT

(10) International Publication Number
WO 2006/027756 A3

(51) International Patent Classification:
G01V 5/00 (2006.01)

(21) International Application Number:
PCT/IB2005/052950

(22) International Filing Date:
9 September 2005 (09.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0420222.2 11 September 2004 (11.09.2004) GB

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, 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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, 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).

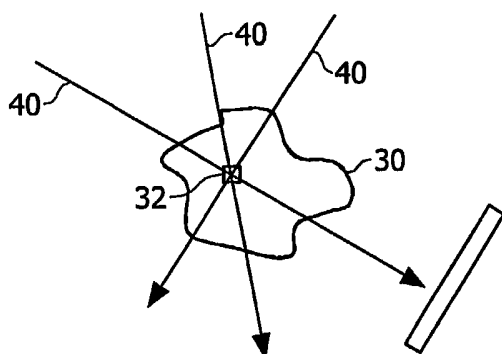
Published:

- 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

(88) Date of publication of the international search report:
11 May 2006

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: COHERENT SCATTER IMAGING



(57) Abstract: A region of interest is identified using a conventional CT or X-ray approach. Then, the region of interest is scanned using a plurality of pencil beams (28) to obtain a plurality of different scattered X-ray spectra. A geometric correction is then applied to each spectrum as if the spectrum was solely due to features in the region of interest. The various spectra recorded using the beams are combined and correlated to determine features of the region of interest (32) whilst minimising the effect of features in the rest of the sample (30).

WO 2006/027756 A3


INTERNATIONAL SEARCH REPORT

International application No
P/IB2005/052950

A. CLASSIFICATION OF SUBJECT MATTER G01V5/00				
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) G01V G01T A61B 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, INSPEC, COMPENDEX				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X Y	US 6 054 712 A (KOMARDIN ET AL) 25 April 2000 (2000-04-25) column 3, line 19 - line 63 column 4, line 29 - line 48 column 5, line 6 - line 24 column 5, line 50 - line 67 column 6, line 5 - line 9 column 8, line 49 - line 58 column 9, line 34 - line 37 column 12, line 9 - line 13 column 13, line 27 - line 43 column 14, line 1 - line 5 column 14, line 43 - line 65 figure 8 ----- -/--	1-4, 6-8, 10-12 5, 9		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.				
<input checked="" type="checkbox"/> See patent family annex.				
* Special categories of cited documents :				
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A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family			
Date of the actual completion of the international search <p style="text-align: center;">9 February 2006</p>		Date of mailing of the international search report <p style="text-align: center;">28/02/2006</p>		
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <p style="text-align: center;">Eberle, K</p>		


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INTERNATIONAL SEARCH REPORT

International application No
 /IB2005/052950

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	<p>WO 99/66317 A (AMERICAN SCIENCE AND ENGINEERING, INC) 23 December 1999 (1999-12-23) page 2, line 17 - page 3, line 6 page 5, line 7 - line 27</p> <p style="text-align: center;">-----</p>	<p>6-9</p>
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