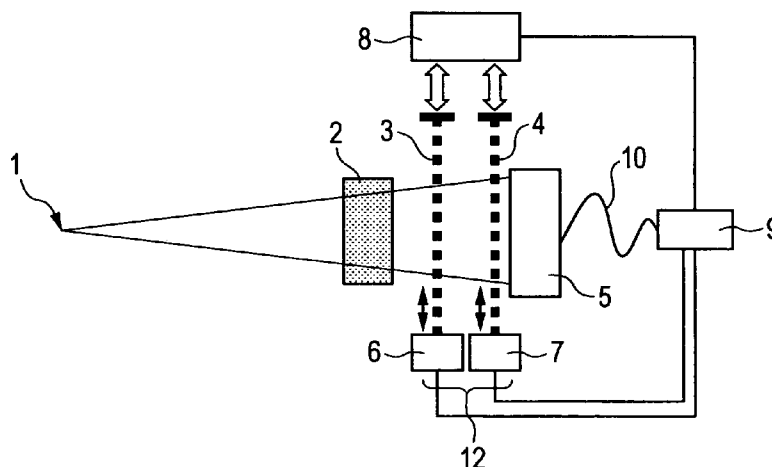




- (51) **International Patent Classification:**
A61B 6/06 (2006.01) *G01N 23/20* (2006.01)
G01J 3/18 (2006.01)
- (21) **International Application Number:**
PCT/JP2011/052454
- (22) **International Filing Date:**
31 January 2011 (31.01.2011)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2010-035746 22 February 2010 (22.02.2010) JP
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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, CL, 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, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report (Art. 21(3))
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) **Date of publication of the international search report:**
13 October 2011

(54) **Title:** X-RAY IMAGING METHOD AND X-RAY IMAGING APPARATUS

FIG. 1



(57) **Abstract:** There is provided an X-ray imaging method for reducing unnecessary components caused by a transmittance distribution of an object and unevenness in irradiation by a light source and accurately calculating a differential phase at the time of X-ray imaging by SDG.

INTERNATIONAL SEARCH REPORT

International application No
PCT/JP2011/052454

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61B6/06 G01J3/18 G01N23/20
ADD.

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)
A61B G01J 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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEN BO ET AL: "Theory and method of X-ray grating phase contrast imaging", ACTA PHYSICA SINICA CHINESE PHYSICAL SOCIETY CHINA, vol. 57, no. 3, March 2008 (2008-03), pages 1576-1581, XP009150838, ISSN: 1000-3290 the whole document -/--	1-6



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

1 August 2011

Date of mailing of the international search report

16/08/2011

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
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Authorized officer

Montes, Pau

INTERNATIONAL SEARCH REPORT

International application No

PCT/JP2011/052454

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	& LIU XIAO-SONG ET AL: "Comparative analysis of phase extraction methods based on phase-stepping and shifting curve in grating interferometry", CHINESE PHYSICS B, CHINESE PHYSICS B, BRISTOL GB, vol. 19, no. 4, 1 April 2010 (2010-04-01), page 40701, XP020177092, ISSN: 1674-1056 Section "1. Introduction" Section "2. Theory of grating interferometry" Section "3.2 Shifting curve method" figures 1,2 reference [14] -----	1-6
	ZHU PEIPING ET AL: "Low-dose, simple, and fast grating-based X-ray phase-contrast imaging.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 3 AUG 2010 LNKD- PUBMED:20643971, vol. 107, no. 31, 3 August 2010 (2010-08-03), pages 13576-13581, XP002654327, ISSN: 1091-6490 page 13577, column 1 - page 13578, column 2 figure 1 -----	