

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 November 2006 (09.11.2006)

PCT

(10) International Publication Number
WO 2006/117497 A3

(51) International Patent Classification:
G06T 7/00 (2006.01) **G06T 7/60** (2006.01)

(21) International Application Number:
PCT/GB2005/001661

(22) International Filing Date: 3 May 2005 (03.05.2005)

(25) Filing Language: English

(26) Publication Language: English

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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, 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, 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).

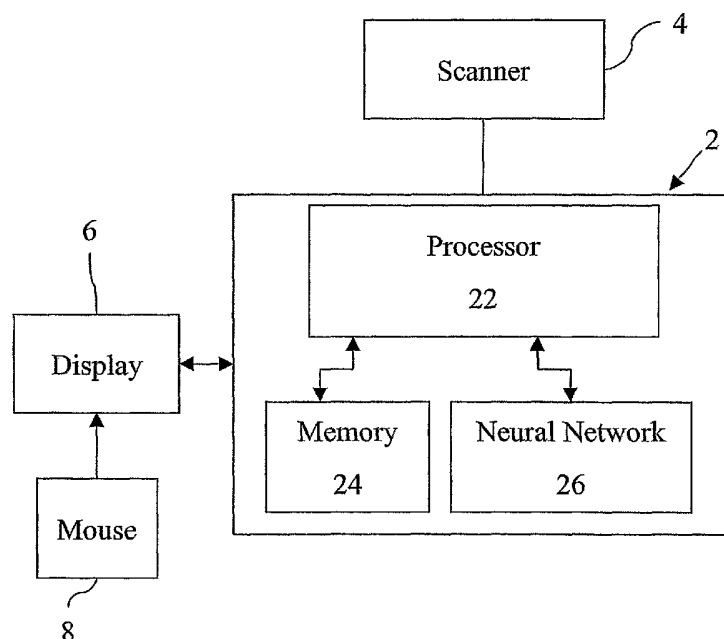
Published:

— with international search report

(88) Date of publication of the international search report:
28 December 2006

[Continued on next page]

(54) Title: AUTOMATED MEASUREMENT IN IMAGES



(57) Abstract: Apparatus (2) and method for measuring the distance between features within an ultrasound image (10), for example of the fetal nuchal region includes means for locating features of peak intensity. A feature location device in the form of a neural network (26) may be provided for locating peaks of intensity and for locating trailing and leading edges within the selected region of the image.



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.

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2005/001661

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06T7/00 G06T7/60

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)
G06T

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BERNARDINO F ET AL: "Semiautomated ultrasonographic measurement of fetal nuchal translucency using a computer software tool" ULTRASOUND IN MEDICINE AND BIOLOGY ELSEVIER USA, vol. 24, no. 1, January 1998 (1998-01), pages 51-54, XP002400199 ISSN: 0301-5629	1,3,5-8, 12,13, 15-19, 23,24
Y	section: "nuchal translucency measurements" abstract; figure 3 ----- -/--	2,4, 9-11,14, 20-22,25



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

22 September 2006

Date of mailing of the international search report

06/10/2006

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INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2005/001661

G(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NASSIRI D K ET AL: "AUTOMATED NUCHAL TRANSLUCENCY MEASUREMENT IN FETAL ULTRASOUND IMAGES" ULTRASOUND IN OBSTETRICS AND GYNECOLOGY, XX, XX, 31 August 2004 (2004-08-31), page OC098, XP008058159 the whole document	2,4, 9-11,14, 20-22,25
A	----- NEWAY V R ET AL: "Online artery diameter measurement in ultrasound images using artificial neural networks" ULTRASOUND IN MEDICINE AND BIOLOGY, NEW YORK, NY, US, vol. 28, no. 2, February 2002 (2002-02), pages 209-216, XP004346654 ISSN: 0301-5629 abstract -----	2