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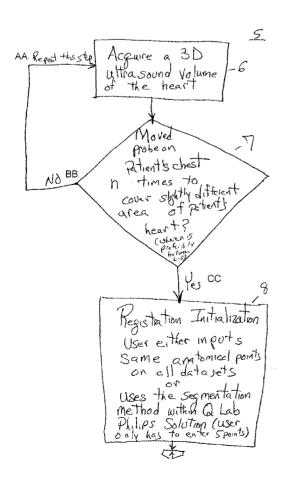
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(54) Title: ULTRASOUND SYSTEM FOR RELIABLE 3D ASSESSMENT OF RIGHT VENTRICLE OF THE HEART AND METHOD OF DOING THE SAME



(57) Abstract: The present invention relates to a method and a system for right ventricular 3D quantification by registering and merging or fusing together several (2-5) 3D acquisitions for an extended field of view in 3D to have the right ventricle in one 3D data set.



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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).

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- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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INTERNATIONAL SEARCH REPORT

International application No PCT/IB2006/053163

CLASSIFICATION OF SUBJECT MATTER NV. G06T7/00 G06T5 INV. G06T5/00 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) 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, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 1,2,4-7, X WO 99/55233 A (UNIV WASHINGTON [US]) 4 November 1999 (1999-11-04) 9,10 abstract; claims 1,2 3,8 Α page 7, line 34 - page 8, lines 11,25-31 page 9, lines 1-4 page 12, lines 17-28 page 18, lines 2-19 page 20, lines 8-25 WO 97/17894 A (FOCUS GRAPHICS INC [US]) Α 1 - 1022 May 1997 (1997-05-22) abstract page 8, lines 22-26 page 9, lines 4-30 X Further documents are listed in the continuation of Box C. X See patent family annex. Special categories of cited documents: "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 "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date 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) 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 docu-ments; such combination being obvious to a person skilled in the cat. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 February 2007 06/03/2007 Name and mailing address of the ISA/ Authorized officer 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 Casteller, Maurizio

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International application No
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