



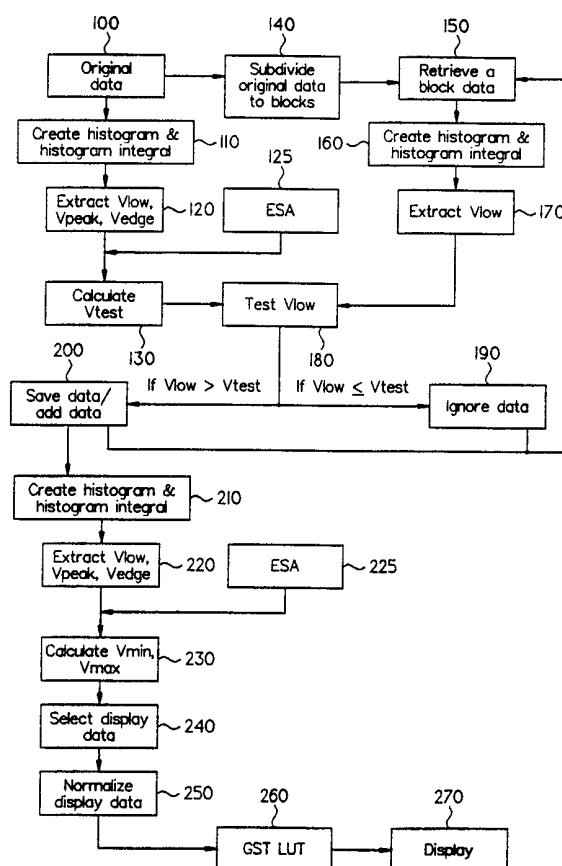
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(21) International Application Number: PCT/US99/26703 (22) International Filing Date: 12 November 1999 (12.11.99) (30) Priority Data: 09/196,391 19 November 1998 (19.11.98) US (71) Applicant: DIRECT RADIOGRAPHY CORP. [US/US]; P.O. Box 6020, Newark, DE 19714-6020 (US). (72) Inventor: WILLIAMS, Cornell, L.; 218 North 38th Street, Pennsauken, NJ 08110 (US). (74) Agents: GOLIAN, Paul, D. et al.; Ratner & Prestia, P.O. Box 7228, Wilmington, DE 19803 (US).		(81) Designated States: CA, JP, KR, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 8 September 2000 (08.09.00)

(54) Title: METHOD FOR AUTOMATIC DETECTION OF REGION OF INTEREST FOR DIGITAL X-RAY DETECTORS USING A FILTERED HISTOGRAM

(57) Abstract

A method for automatically forming a filtered subset of digital values (200) from a first set of digital values (100) corresponding to a plurality of picture elements representing a radiographic exposure of a subject for use in displaying (270) a radiograph of the subject and automatically detecting a region of interest for digital x-ray detectors using a filtered histogram (110).



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/26703

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :G06K 9/00

US CL :382/132, 168, 172

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)

U.S. : 382/128, 132, 168, 171, 172, 274; 250/587; 378/98, 98.2, 98.5

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 practicable, search terms used)

EAST

search terms: radiography, histogram

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,579,402 A (HAYEN) 26 November 1996.	1-12
A	US 5,757,022 A (KOBAYASHI et al) 26 May 1998.	1-12
A, P	US 5,903,660 A (HUANG et al) 11 May 1999.	1-12
A, P	US 5,982,916 A (KUHN) 09 November 1999.	1-12

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