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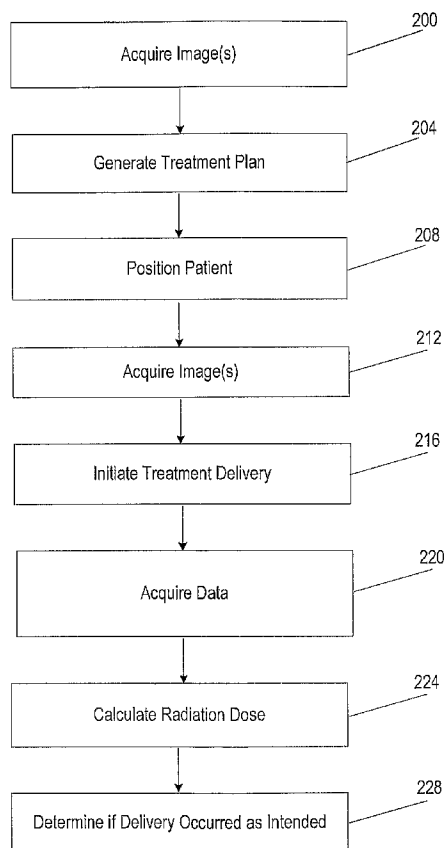
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR EVALUATING QUALITY ASSURANCE CRITERIA IN DELIVERY OF A TREATMENT PLAN



(57) Abstract: System and method of evaluating quality assurance criteria related to the delivery of a radiation therapy treatment plan. The method includes the acts of acquiring image data of a patient, generating a treatment plan for the patient based at least in part on the image data, the treatment plan including a calculated radiation dose to be delivered to the patient, acquiring an on-line image of the patient in substantially a treatment position, delivering at least a portion of the calculated radiation dose to the patient, monitoring quality assurance criteria related to the delivery of the treatment plan, calculating the radiation dose received by the patient, and determining whether delivery of the treatment plan occurred as intended based on the quality assurance criteria and the radiation dose received by the patient.

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USPC: 700/109
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)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 700/32, 90, 109; 378/62, 65, 901; 600/410, 411, 427;

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Electronic data base: USPTO WEST (PGPB, USPT, EPAB, JPAB); DIALOG PRO
Search Terms Used: radiation, therapy, image data, treatment, quality, assurance etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,512,942 B1 (Burdette et al.) 28 January 2003 (28.01.2003) (p.5 line 10; p. 6 line 30; page 10, line 8; p. 6 line 50; page 5 line 27; p.5 line 28; p. 10 line 53; p.6 line 58; p.6 line 8-29; page 10 line 33; p.5 lines 40-43; p. 6, lines 8-10; p.11 line 60; p.11, line 7-8; p. 13 line 22; p.13 lines 38 and 43; p. 11, line 17; p.11 line 54; p.11, line 58; p.10 lines 34-38, p.13 lines 36-40; p.11 lines 5-8; p.10 lines 43-45; p. 11 line 17; p. 11 line 54; p.11 line 58, p. 11 lines 49-54)	1-38
Y	US 2003/0031298 A1 (Xing) 13 February 2003 (13.02.2003) (para [0006], [0008]-[0009], [0016])	1-28 and 38
Y	US 2005/0096515 A1 (Geng) 5 May 2005 (05.05.2005) (para [0089]-[0090])	29-37

Further documents are listed in the continuation of Box C.

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