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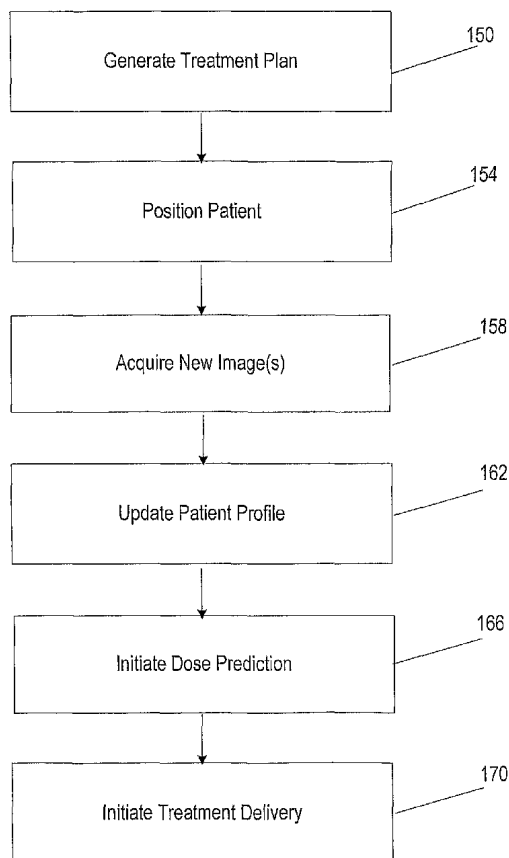
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[Continued on next page]

(54) Title: METHOD OF AND SYSTEM FOR PREDICTING DOSE DELIVERY



(57) Abstract: A system and method of predicting a radiation dose to be delivered to a patient. The method includes the acts of generating a first image of at least a portion of the patient, defining a treatment plan for the patient (150 of figure 5), generating a second image of at least a portion of the patient while the patient is substantially in a treatment position (158), updating the patient profile with the second image (162), and predicting the radiation dose to be delivered to the patient (166) based upon the patient profile and the treatment plan.

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A. CLASSIFICATION OF SUBJECT MATTER

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USPC: 382/128,131;600/427

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2004/0068182 A1 (MISRA) 08 April 2004 (08.04.2004) entire document.	1-11,15-17,22-26 ----- 12-14,27
Y	US 2005/0143965 A1 (FAILLA et al) 30 June 2005 (30.06.2005), the whole document.	18-21
Y	RUECKERT Nonrigid Registration Using Free-Form Deformations: Application to Breast MR Images, 1999 IEEE, pages 712-721.	12-14,27



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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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