



US007352370B2

(12) **United States Patent**
Wang et al.

(10) **Patent No.:** **US 7,352,370 B2**
(45) **Date of Patent:** **Apr. 1, 2008**

(54) **FOUR-DIMENSIONAL VOLUME OF INTEREST**

(75) Inventors: **Hongwu Wang**, Milpitas, CA (US);
John R. Dooley, Castro Valley, CA (US); **Jay B. West**, Mountain View, CA (US)

(73) Assignee: **Accuray Incorporated**, Sunnyvale, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 229 days.

(21) Appl. No.: **11/144,247**

(22) Filed: **Jun. 2, 2005**

(65) **Prior Publication Data**

US 2006/0274061 A1 Dec. 7, 2006

(51) **Int. Cl.**

G06T 17/00 (2006.01)

G06K 9/00 (2006.01)

(52) **U.S. Cl.** **345/424**; 382/131; 382/154

(58) **Field of Classification Search** 600/3, 600/411, 424, 427; 382/131, 154; 345/424
See application file for complete search history.

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Primary Examiner—Mark Zimmerman
Assistant Examiner—Crystal Murdoch
(74) *Attorney, Agent, or Firm*—Blakely, Sokoloff, Taylor & Zafman LLP

(57) **ABSTRACT**

A method and apparatus for representing a deformable volume of interest in four dimensions is described, where the four dimensions are three spatial dimensions and one temporal dimension including discrete points in time, and where the deformable volume of interest can be represented at intermediate points in time by interpolation.

28 Claims, 9 Drawing Sheets

