

(21) Application No: 1314387.0

(22) Date of Filing: 25.01.2012

Date Lodged: 12.08.2013

(30) Priority Data:
(31) 13015343 (32) 27.01.2011 (33) US

(86) International Application Data:
PCT/IL2012/000040 En 25.01.2012

(87) International Publication Data:
WO2012/101632 En 02.08.2012

(51) INT CL:
G06T 7/00 (2006.01)

(56) Documents Cited:
US 20100268068 A1 US 20100070249 A1
US 20090304582 A1 US 20060149217 A1

(58) Field of Search:
INT CL G06Q
Other: PUBWEST (PSGB, USPT, EPAB, JPAB), Google Scholar, Google Patents

(71) Applicant(s):
Simbionix Ltd.
Beit Golan, Corner of Golan and Hanegev St,
Airport City 70151, Israel

(72) Inventor(s):
Einav Namer Yelin
Ran Bronstein
Boaz Dov Tal

(74) Agent and/or Address for Service:
Pearl Cohen Zedek Latzer Baratz UK LLP
15 Old Bailey, London, EC4M 7EF, United Kingdom

(54) Title of the Invention: **System and method for generating a patient-specific digital image-based model of an anatomical structure**
Abstract Title: **System and method for generating a patient-specific digital image-based model of an anatomical structure**

(57) Embodiments of the invention are directed to a method of performing computerized simulations of image-guided procedures. The method may comprise receiving medical image data and metadata of a specific patient. A patient-specific digital image-based model of an anatomical structure may be generated based on the medical image data and the metadata. A computerized simulation of an image-guided procedure may be performed using the digital image-based model and the metadata.

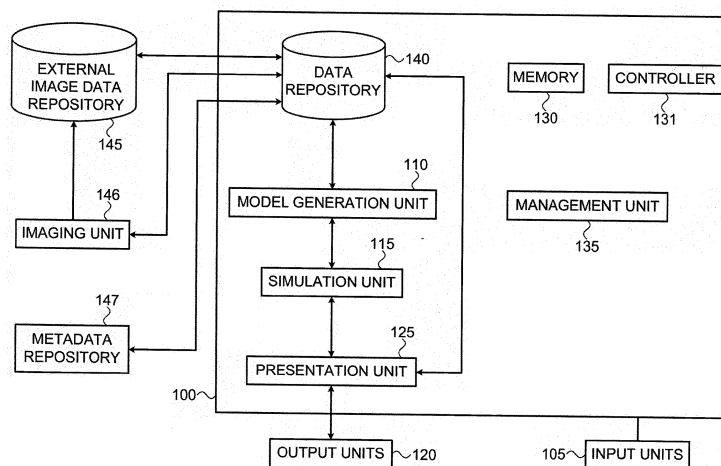


FIG. 1