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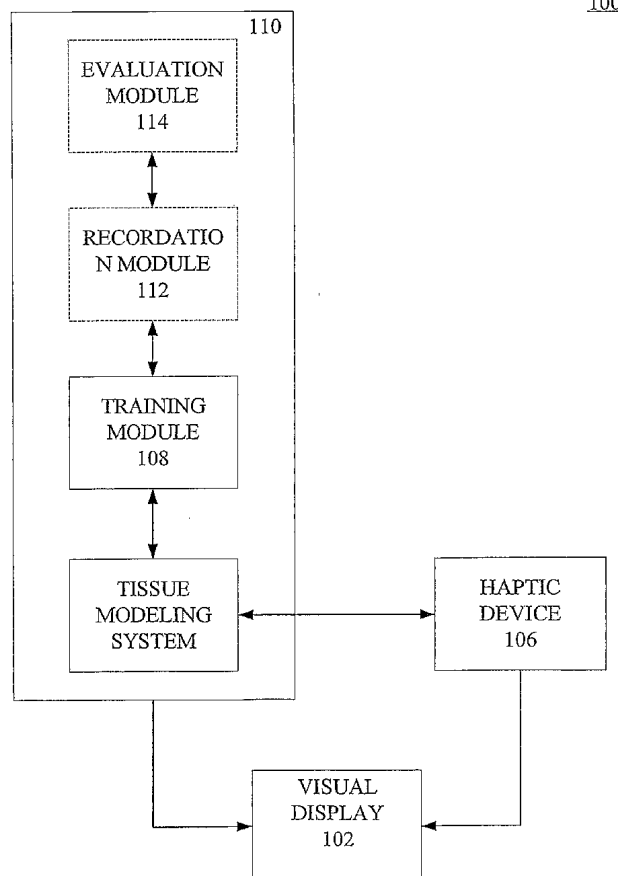
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[Continued on next page]

(54) Title: SYSTEM, DEVICE, AND METHODS FOR SIMULATING SURGICAL WOUND DEBRIDEMENTS



(57) Abstract: A wound debridement simulator for simulating procedures relating to surgical debridement of a wound is provided. The wound debridement simulator includes a visual display for displaying a simulated rendering of a portion of a human body upon which a wound has been inflicted. The wound debridement simulator also includes a modeling system in communication with the visual display, the system causing the animated rendering to change in response to a simulated touching of the portion of the human body. Additionally, the wound debridement simulator further includes a haptic device in communication with the tissue modeling system, the device simulating force feedback based upon the simulated touching. The wound debridement simulator also includes a training module in communication with both the tissue modeling system and the haptic device, the module causing the system and device to operate in a predefined manner in response to one or more user-supplied inputs.

WO 2007/019546 A3



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IPC: G09B 23/28(2006.01)

USPC: 434/262

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. : 434/262

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)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, E	US 7,202,851 B2 (Cunningham et al) 10 April 2007 (10.04.2007) column 10:40-67)	6
Y	US 2005/0142525 A1 (Cotin et al) 30 June 2005 (30.06.2005), paragraph 65 and 86	4-5, 11, 15, 22
X	Berkley et al. Real-Time Element Modeling for Surgery Simulation: An application to Virtual Suturing. IEEE Transaction on Visualization and Computer Graphics vol. 10 No.3 May/June 2004, page 321-324, Table 1 and FIG 2(a)-(b) and 3.	1-3, 7-10, 13, 15



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST, NPL

laceration, haptic, wound, suture