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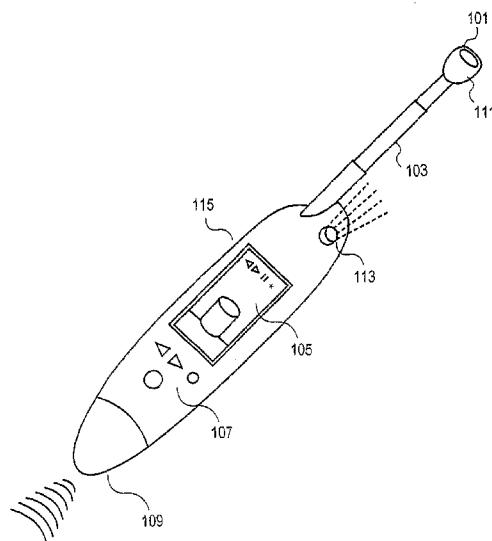
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[Continued on next page]

(54) **Title:** HAND HELD PORTABLE THREE DIMENSIONAL SCANNER



(57) **Abstract:** Embodiments of the invention may include a scanning device (fig. 1) to scan three dimensional objects (605, 907, 1115, 1201). The scanning device may generate a three dimensional model. The scanning device may also generate a texture map for three dimensional model. Techniques utilized to generate the model or texture map may include tracking scanner position, generating depth maps of the object and generation composite image of the surface of the object.



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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 382/154,294,312,313,314; 356/601
 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.
A — X	US 6,639,684 B1 (KNIGHTON et al.) 20 October 2003 (28.10.2003), FIGURES 1-2 ITEMS 300, 50. AND 70	1-16, 20-34, AND 39-54 17-19, 35-38, AND 55-60
A — X	US 6,249,616 B1 (HASHIMOTO) 19 June 2001 (19.06.2001), FIGURE 1	1-45, AND 50 46-49, AND 52-60

Further documents are listed in the continuation of Box C. See patent family annex.

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