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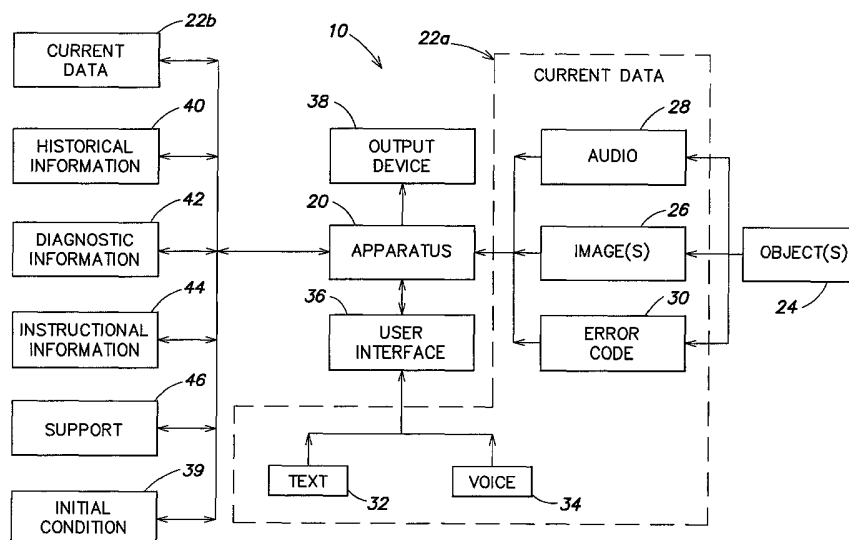
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR OBTAINING AND UTILIZING MAINTENANCE INFORMATION



(57) Abstract: A system for obtaining, recording, displaying, storing, transmitting and receiving maintenance and other information is provided. The system, which may include an electronic maintenance apparatus that may be in the form of a hand-held digital computer, allows a user capture and store images, sound, and/or error codes and related text or voice data and other information concerning the system or object being maintained. The information can be stored locally and/or transmitted to remote locations. Retrieval of the images and other data at a later date provides an historical perspective of the object, enabling one using the maintenance apparatus to compare and contrast the condition of the object over time. Instruction on how to accomplish a job at hand, diagnostic information and/or support information may also be transmitted to and from maintenance apparatus.



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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 01/28587

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06T7/00

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)  
IPC 7 G06T

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 practical, search terms used)

COMPENDEX, EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HAGENIERS OMER L: "Inspection methodology and data structure for large-area NDI" NONDESTRUCTIVE EVALUATION OF AGING AIRCRAFT, AIRPORTS, AND AEROSPACE HARDWARE; SCOTTSDALE, AZ, USA DEC 3-5 96, vol. 2945, 1996, pages 152-159, XP008009821</p> <p>Proc SPIE Int Soc Opt Eng; Proceedings of SPIE - The International Society for Optical Engineering 1996 page 158, line 18 - line 26 page 156, line 9 - line 16 page 156, line 36 - line 42 page 154, line 18 - line 21</p> <p style="text-align: center;">--- -/--</p>	<p>1-8, 19-23, 26, 34, 35, 39, 43, 55, 59, 63, 65, 67, 68, 87, 112, 116</p>

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

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- \*Z\* document member of the same patent family

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	<p>KOMOROWSKI J P ET AL: "Synergy between advanced composites and new NDI methods" ADV PERFORM MATER;ADVANCED PERFORMANCE MATERIALS JAN 1998 KLUWER ACADEMIC PUBLISHERS, DORDRECHT, NETHERLANDS, vol. 5, no. 1-2, January 1998 (1998-01), pages 137-151, XP001132098 figure 3</p> <p>-----</p>	19, 38