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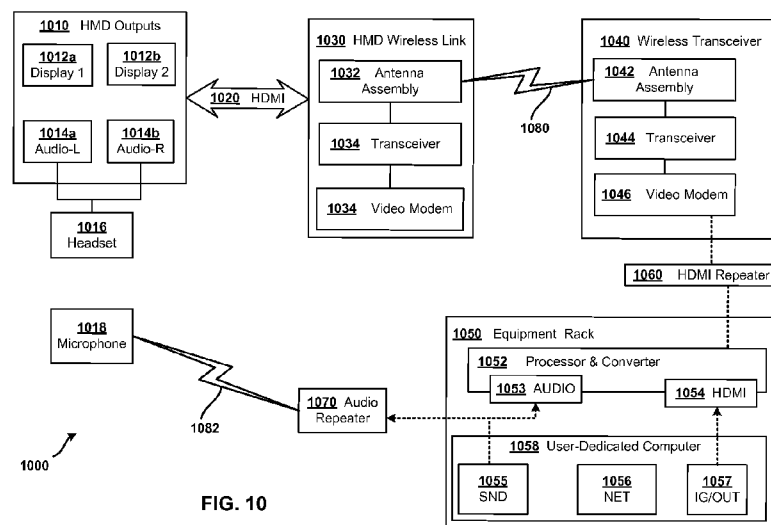


FIG. 10

(57) Abstract: Computer-based systems provide a wireless, high fidelity, real-time video and audio immersive environment for multiple users. A user may be equipped with a head mounted display device which wirelessly receives real-time video signals transmitted by a radio transceiver linked to a computer that generates the real-time video images. Aspects include body, arm and leg motion and orientation sensors in wireless communication with a radio transceiver linked with a computer. Video images may be generated using a portable array of user dedicated computers controlled by a single computer that is controlled by an operator.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. G09B9/00 ADD.				
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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) G09B				
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) EPO-Internal, WPI Data, INSPEC				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 6 630 915 B1 (FLOOD KEVIN M [US]) 7 October 2003 (2003-10-07) column 3, line 22 - column 10, line 5 -----	1-20		
X	MOLNER J ET AL: "Immersion of a live individual combatant into a virtual battlespace", DAYTON SECTION SYMPOSIUM, 1997., THE 14TH ANNUAL AESS/IEEE FAIRBORN, OH, USA 9 APRIL 1997, NEW YORK, NY, USA, IEEE, US, 1 January 1997 (1997-01-01), pages 27-34, XP010226725, DOI: 10.1109/DAYTON.1997.595092 ISBN: 978-0-7803-3965-1 the whole document ----- -/--	1-20		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> See patent family annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.			
* Special categories of cited documents :				
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/258454 A1 (BRICK TODD A [US]) 16 November 2006 (2006-11-16) paragraphs [0030] - [0076] -----	1-20
X	US 2005/282633 A1 (NICOLAS FREDERIC [FR] ET AL) 22 December 2005 (2005-12-22) figures 1,5,6 -----	17-20
A	US 6 140 943 A (LEVINE ALFRED B [US]) 31 October 2000 (2000-10-31) column 2, line 18 - column 9, line 50 -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2013/051734

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6630915	B1	07-10-2003	NONE

US 2006258454	A1	16-11-2006	NONE

US 2005282633	A1	22-12-2005	NONE

US 6140943	A	31-10-2000	US 6140943 A 31-10-2000
			US 6243030 B1 05-06-2001
