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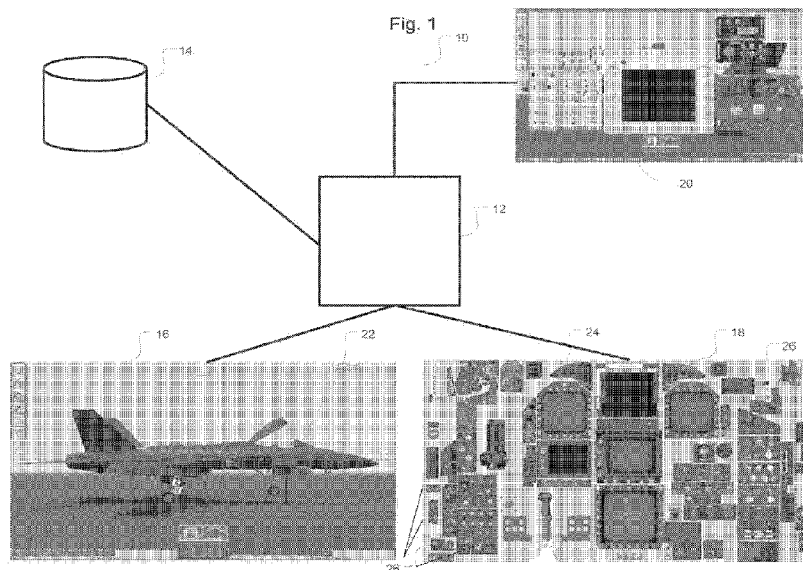
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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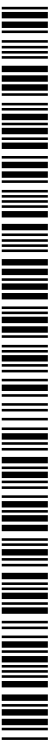
— with international search report (Art. 21(3))

- (88) Date of publication of the international search report:  
25 April 2013

(54) Title: AIRCRAFT MAINTENANCE TRAINING SIMULATOR APPARATUS AND METHOD



(57) Abstract: Disclosed is an aircraft maintenance training system to permit student to simulate testing, repairing and maintaining components of an aircraft, the system comprising a database of components of the aircraft, an aircraft maintenance display to display a three-dimensional representation of the aircraft, a virtual cockpit display to display a representation of the controls of the aircraft and a processor to simulate operations of the components of the aircraft and allow the student to attach and remove components from the aircraft, and interface support equipment with the aircraft to read or modify characteristics of the components of the aircraft.



**A. CLASSIFICATION OF SUBJECT MATTER****G09B 9/12(2006.01)i, G09B 9/28(2006.01)i**

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)

G09B 9/12; G09B 9/08; G09B 9/24; F42B 35/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: aircraft, maintenance, repair and simulation

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2005-0104073 A (CHOI, KONG SUN) 02 November 2005 See abstract, claims 1-7 and figures 1-3	1-20
A	KR 10-1999-0040449 A (SAMSUNG TECHWIN CO., LTD.) 05 June 1999 See abstract, claims 1-7 and figure 1	1-20
A	KR 10-2010-0007060 A (UNITECH CO., LTD.) 22 January 2010 See abstract, claims 1-7 and figures 1	1-20
A	JP 06-138814 A (MITSUBISHI HEAVY IND LTD) 20 May 1994 See abstract, claim 1 and figure 1	1-20

 Further documents are listed in the continuation of Box C. 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

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"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

30 JANUARY 2013 (30.01.2013)

Date of mailing of the international search report

**31 JANUARY 2013 (31.01.2013)**

Name and mailing address of the ISA/KR

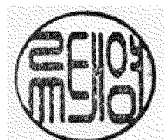
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/040816**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-2005-0104073 A	02.11.2005	KR 20-0361221 Y1	07.09.2004
KR 10-1999-0040449 A	05.06.1999	None	
KR 10-2010-0007060 A	22.01.2010	None	
JP 06-138814 A	20.05.1994	None	