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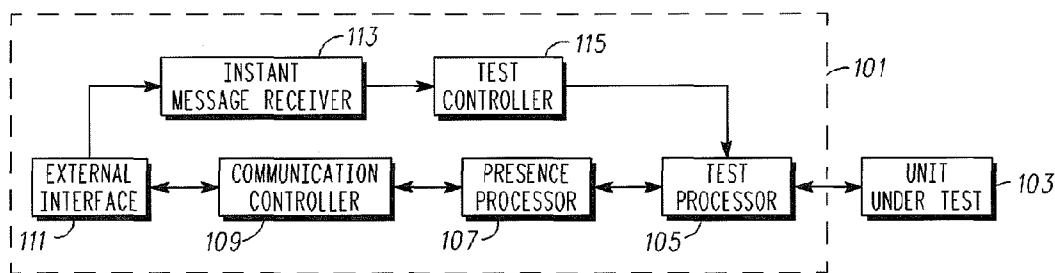


FIG. 1

(57) Abstract: A test system (101) comprises a test processor (105) which determines an operational status, such as a fault status, for a unit under test (103). The unit under test may e.g. comprise one or more boards of an electronic assembly. A presence processor (107) generates a presence message in response to the operational status where the presence message is in accordance with a user presence message protocol. A communication controller (109) then transmits the presence message to a remote network element of a communication network. The remote network element may be a presence server which can transmit a presence status update to associated devices. The invention may allow efficient and remote status monitoring for a test system using user presence infrastructure.



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International application No.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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USPC: 714/30,57  
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**B. FIELDS SEARCHED**

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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)  
 EAST search, IEEEExplore, ACM

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20020131395 A (WANG) 19 September 2002 (19.09.2002), abstract.	1-10
A	US 20030119540 A (MATHIS) 26 June 2003 (26.06.2003), abstract.	1-10
A	US 20030204756 A (RANSOM et al) 30 October 2003 (30.10.2003), abstract.	1-10
A	US 20030225551 A (HOERNER et al) 4 December 2003 (04.12.2003), abstract.	1-10
A	US 20060142880 A (DEEN et al) 29 June 2006 (29.06.2006), abstract.	1-10
A	US 5630048 A (LA JOIE et al) 13 May 1997 (13.05.1997), abstract.	1-10
A	US 5819028 A (MANGHIRMALANI et al) 6 October 1998 (06.10.1998), abstract.	1-10

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5864659 A (KINI) 26 January 1999 (26.01.1999), abstract.	1-10
A	US 6175934 B (HERSHEY et al) 16 January 2001 (16.01.2001), abstract.	1-10
A	US 6456306 B (CHIN et al) 24 September 2002 (24.09.2002), abstract.	1-10
A	US 7010294 B (PYOTSIA et al) 7 March 2006 (07.03.2006), abstract.	1-10
A	US 7010594 B (DEFOSSE) 7 March 2006 (07.03.2006), abstract.	1-10
A	US 7281040 B (LY) 9 October 2007 (09.10.2007), abstract.	1-10