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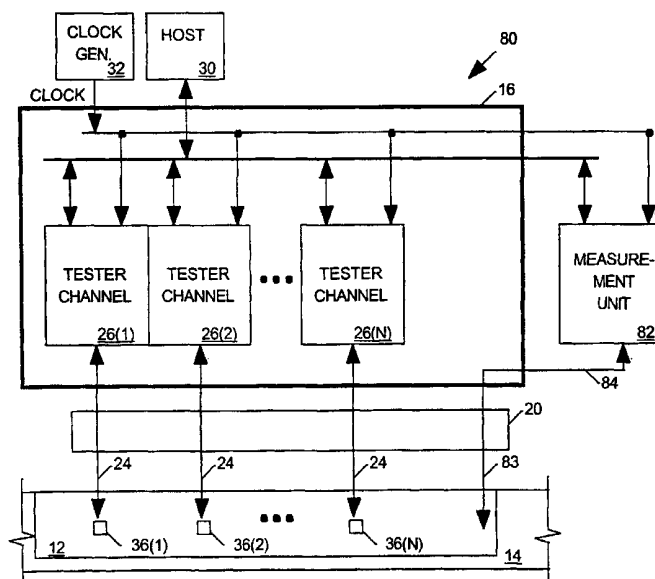
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(54) Title: SYSTEM FOR CALIBRATING TIMING OF AN INTEGRATED CIRCUIT WAFER TESTER



(57) Abstract: A timing calibration system for a wafer level integrated circuit (IC) tester is disclosed. To adjust a compare calibration delay of each tester channel, an interconnect system sequentially connects the tester channels to interconnect areas on a "calibration" wafer instead of to the IC on the wafer to be tested. Each interconnect area provides a path linking a channel to be calibrated to a spare channel. With the programmable drive delay of the channel being calibrated and the programmable compare and compare calibration delays of the spare channel set to standard values, the drive calibration delay of the channel being calibrated is adjusted so it sends a test signal edge to the spare channel close to when the spare channel samples it.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01R31/319

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 G01R

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)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 919 823 A (HEWLETT PACKARD CO) 2 June 1999 (1999-06-02) page 6, line 2-38; figures 5,6 ---	1-4, 9-12
X	DE 199 15 398 A (ADVANTEST CORP) 21 October 1999 (1999-10-21) column 9, line 21 -column 10, line 45; figure 2 ---	1-4
X	DE 199 22 907 A (ADVANTEST CORP) 9 December 1999 (1999-12-09) column 11, line 67 -column 12, line 32 ---	9-12
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Patent family members are listed in annex.

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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.
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