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(71) Applicant *(for all designated States except US)*: **TERADYNE, INC.** [US/US]; 700 Riverpark Drive, North Reading, MA 01864 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HUANG, Li** [CN/US]; 605 Hampshire Road, #437, Westlake Village, California 91361 (US). **DERKSEN, Timothy** [US/US]; 4217 Duesenberg Drive, Tucker, Georgia 30084 (US). **ZHANG, Xiaoxi** [CN/US]; 5830 Reseda Blvd., Apt. 130, Tarzana, California 91356 (US). **CRAPUCHETTES, Charles, Evans** [US/US]; 3419 Creighton Place, Santa Clara, California 95051-1501 (US). **HAUPTMAN, Stephen** [US/US]; 1941 Bancroft Street, Camarillo, California 93010 (US).

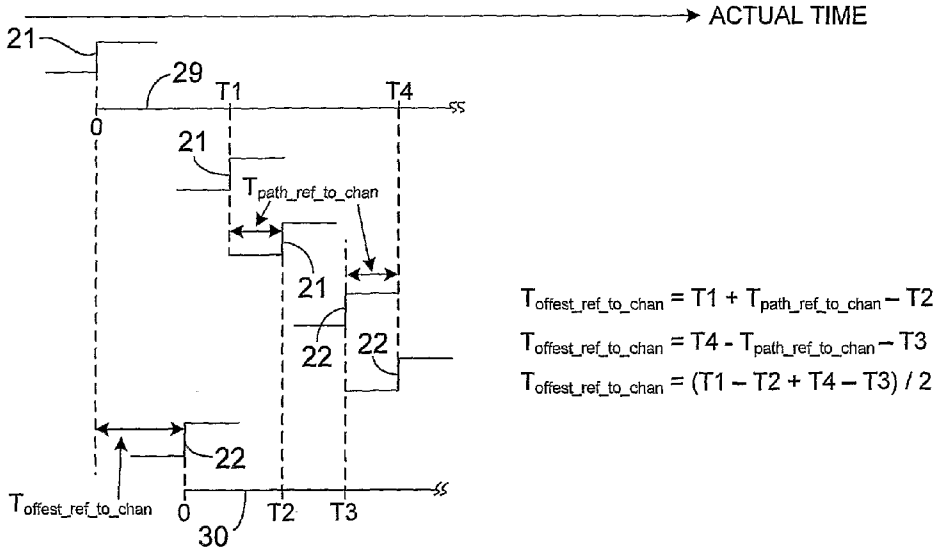
(74) Agent: **PYSHER, Paul**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110 (US).

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[Continued on next page]

(54) Title: CALIBRATING AUTOMATIC TEST EQUIPMENT



(57) Abstract: Calibrating automatic test equipment (ATE) includes determining an offset between a reference timing event and a channel event, where the channel event is associated with a communication channel of the ATE, and adjusting signal transmission over the communication channel based on the offset. Determining the offset may include obtaining a first time at which a reference timing signal is received at a device associated with a reference timing source, obtaining a second time at which the reference timing signal is received at a device associated with the communication channel, obtaining a third time at which a channel signal is received at the device associated with the communication channel, obtaining a fourth time at which the channel signal is received at the device associated with the reference timing source, and calculating the offset using the first time, the second time, the third time, and the fourth time.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC(8): G01D 18/00 (2007.01)
USPC: 702/85
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(8): G01D 18/00 (2007.01)
USPC: 702/85

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 702/85, 89, FOR156 (text search - see terms below)

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

EAST(USPT,PGPB,EPO,JPO,DERWENT); DialogPRO(Engineering); Google
Search terms: measure, determine, calculate, identify, compute, offset, reference, clock, sync, synchronize, time, signal, input, compare, comparator, average, difference, interval, period, frequency, diode

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,275,544 B1 (AIELLO et al.) 14 August 2001 (14.08.2001), fig 1, 4-6; col 5-7, 9-13.	1-3, 5-9, 11-18, 20
Y		4, 10, 19
Y	US 5,757,677 A (LENNEN) 26 May 1998 (26.05.1998), col 8, ln 34 to col 10, ln 35.	4, 10, 19

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
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Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:
Lee W. Young
PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

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