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05-19-1999



Attorney Docket No. 15590-006400US

FORM PTO-1595 (Rev. 6-93)		101040642		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Bruce B. McArthur; Adlai H. Smith Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.			2. Name and address of receiving party(ies) Name: Litel Instruments Internal Address: Street Address: 8855 Production Avenue, Suite B City: San Diego State: CA ZIP: 92121 Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: April 27, 1999					
4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s): 09/247,446 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: William Michael Hynes TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 578-0200			6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41): -----\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8. Deposit account number: 20-1430		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.</i> William Michael Hynes Name of Person Signing Atty Reg. No. 24,188 Signature Date 5/2/99 Total number of pages including cover sheet, attachments and document 3					
10. Change Correspondence Address to that of Part 5? <input type="checkbox"/> Yes <input type="checkbox"/> No					
OMB No. 0651-0011 (exp. 4/94)					
Do not detach this portion					
Mail documents to be recorded with required cover to: 05/18/1999 INVENT 00000177 201430 09247446 01 FC:581 40.00 CH Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231					

SF 216176 v1

PATENT
REEL: 009949 FRAME: 0810

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Bruce B. McArthur, of 4143 Bonanza Avenue, San Diego, CA 92117, Adlai H. Smith, of 4175 Porte de las Palmas, #169, San Diego, CA 92122, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: IN-SITU SOURCE METROLOGY
INSTRUMENT AND METHOD OF USE

Date(s) of execution of Declaration: April 27, 1999

Filing Date: February 10, 1999

Application No.: 09/247,446; and

WHEREAS, Litel Instruments, located at 8655 Production Road, Suite B, San Diego, CA, 92120, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

PATENT

REEL: 009949 FRAME: 0811

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 4/27/99

Bruce B. McArthur
Bruce B. McArthur

STATE OF CALIFORNIA)
COUNTY OF SAN DIEGO)

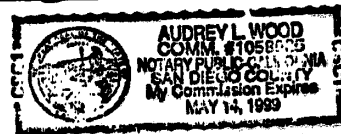
ss.

On April 27, 1999, before me, Audrey L. Wood, ⁵⁷²⁴ personally appeared Bruce B. McArthur, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Audrey L. Wood
NOTARY PUBLIC

My Commission Expires: 5-14-99



Dated: 4-27-99

Adlai H. Smith
Adlai H. Smith

STATE OF CALIFORNIA)
COUNTY OF SAN DIEGO)

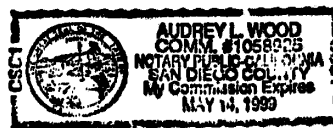
ss.

On April 27, 1999, before me, Audrey L. Wood, personally appeared Adlai H. Smith, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Audrey L. Wood
NOTARY PUBLIC

My Commission Expires: 5-14-99
SF 210448 v1



RECORDED: 05/07/1999

PATENT
REEL: 009949 FRAME: 0812