Form PTO-1595 (Rev. 03/01) REC 12 - 19	U.S. DEPARTMENT OF COMMERC U.S. Patent and Trademark Office			
OMB No. 0651-0027 (exp. 5/31/2002)	- 200 # ## ## ## ##			
Tab settings				
To the Honorable Commissioner c. 101919	2184 iched original documents or copy thereof.			
Name of conveying party(ies):	Name and address of receiving party(ies)			
Jimmie Andrew Miller	Name: University of North Carolina at Charlotte			
12/06/01				
Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address:			
reactional name of conveying party(lee) attached. [2] 100 22 110				
Nature of conveyance:				
_	Street Address: 9201 University City Boulevard			
☐ Assignment ☐ Merger				
☐ Secuirty Agreement ☐ Change of Name	City: Charlotte, State: NC Zip: 282			
Other	0001			
Execution Date: November 29, 2001	Additional Name(s) & address(es) attached? ☐ Yes ☒ No			
	tached? Yes No 6. Total number of applications and patents involved: 1			
Additional numbers at Name and address of party to whom correspondence concerning this document should be mailed:	tached? Yes No 6. Total number of applications and patents involved: 1			
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Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40			
Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40 ☐ Enclosed ☐ Authorized to be charged to deposit account			
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP 301 TBIRZ1 00000012 10007051	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40 ☑ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number:			
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP 30 TDIRZI 00000012 10007051 40.00 GP	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40 ☐ Enclosed ☐ Authorized to be charged to deposit account			
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP WI TDIAZI 0000012 10007051 Street Address: 301 S. College St.	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40 ☑ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number: 16-1435			
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP 1	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40 ☑ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number:			
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP W1 TDIR21 00000012 10007051 Street Address: 301 S. College St. One First Union Center, Ste. 3500 City: Charlotte State: NC Zip: 28202-6001	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40 ☑ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number: 16-1435 (Attach duplicate copy of this page if paying by deposit account			
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. Internal Address: KILPATRICK STOCKTON LLP 1001 TBIR21 00000012 10007051 1002 Street Address: 301 S. College St. One First Union Center, Ste. 3500 City: Charlotte State: NC Zip: 28202-6001 DO NOT US	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40			
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Total number of pages including cover sheet, attachments, and documents: 3 Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

Docket No.: UNCC 2000-030

ASSIGNMENT

WHEREAS, Jimmie Andrew Miller (hereinafter referred to as "ASSIGNOR") has invented certain new and useful improvements in an invention entitled:

FIDUCIAL CALIBRATION SYSTEMS AND METHODS FOR MANUFACTURING, INSPECTION, AND ASSEMBLY

- for which a Provisional application for a United States Patent was filed with the United States Patent and Trademark Office on Feb. 13, 2001, Provisional Application Number 60/268,672.
- for which an application for a United States Patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, University of North Carolina at Charlotte, 9201 University City Boulevard, Charlotte, NC 28223-0001 (hereinafter referred to as the "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells and transfers to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title and interest in and to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any patent application claiming priority to the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term of terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

CLTLIB01 665221.1

PATENT REEL: 012364 FRAME: 0962 Docket No.: UNCC2000-030 Inventor: Jimmie Andrew Miller

For: Fiducial Calibration Systems and Methods for Manufacturing, Inspection, and Assembly

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS	S WHEREOF, I have	e hereunto set m	y hand and seal t	his <u>29</u> day of
 Nevember	, 2001.			
			_	1110
		()	- O. A.	Miller

State of North Carolina

County of Iredell

Then personally appeared the above named **Jimmie Andrew Miller** who acknowledged the foregoing instrument to be his free act and deed, before me, this <u>29</u> day of <u>Novembuz</u>, 2001.

Ruth B. Burnett, Notary Public

Expires August 22, 2006

Jimmie Andrew Miller

CLTLIB01 665221.1

RECORDED: 12/06/2001

PATENT REEL: 012364 FRAME: 0963