Docket No.: 50180-027 PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 1. Name of Conveying Party(ies): To shihiro OMI Additional name(s) of conveying party(ies) attached? Yes 3. Nature of Conveyance: Assignment Other Becuity Agreement Other Execution Date: August 5, 1998 4. Application number(s) or patent number(s): Off 158 10 2 If the document is being filed together with a new application, the execution date of the application is: August 5, 1998 A. Patent Application No(s). B. Patent No(s). B. Patent No(s). Internal Address: 90 Canal Center Plaza, Suite 300 Street Address: 90 Canal Center Plaza, Suite 300 Street Address: 90 Canal Center Plaza, Suite 300 Street Address: 91 Caty: Catification Yes Do NOT USE THIS SPACE Craft Craft 4. Optication Statement and signature. To tale best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.	FORM PTO-1596 1-31-92 MRO 9.22.98	842456 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
1. Name of Conveying Party(ies): 2. Name and address of receiving party(ies): Toshihiro OMI Additional name(s) of conveying party(ies) attached? [] Yes Additional name(s) of conveying party(ies) attached? [] Yes Name: MITUTOYO CORPORATION Additional name(s) of conveying party(ies) attached? [] Yes Kawasaki-shi Shature of Conveyance: Change of Name Other Change of Name Other Change of Name Asignment Change of Name Other Change of Name Hithe document is being filed together with a new application, the execution date of the application is: August 5, 1998 A. Patent Application No(s). B. Patent No(s). B. Patent No(s). B. Patent No(s). Street Address: 90 Canal Center Plaza, Suite 300 Street Address: 99 Canal Center Plaza, Suite 300 Street Address: 99 Canal Center Plaza, Suite 300 Street Address: 90 Construct 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Robert L. Price, 22,685 Moder Mathematica State:	Docket No.: 50180-027 PATE	
Additional numbers attached? Yes 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: MCDERMOTT, WILL & EMERY 7. Total fee (37 CFR 3.41) \$40.00 Internal Address: 9 Canal Center Plaza, Suite 300 Enclosed Authorized to be charged to deposit account Street Address: 99 Canal Center Plaza, Suite 300 8. Deposit account number: 500417 500417 City: Alexandria State: VA Zip: 22314 200 NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Robert L. Price, 22,685 MAWAMAM September 22, 1998	 Name of Conveying Party(ies): Toshihiro OMI Additional name(s) of conveying party(ies) attached? Yes Nature of Conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: August 5, 1998 Application number(s) or patent number(s): 09/1582 If the document is being filed together with a new application 	2. Name and address of receiving party(ies): Name: MITUTOYO CORPORATION Address: 20-1, Sakado 1-chome, Takatsu-ku Kawasaki-shi Kanagawa 213-0012, Japan Additional name(s) & address(es) attached? Yes No 20 on, the execution date of the application is: August 5, 1998
concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Name: MCDERMOTT, WILL & EMERY 7. Total fee (37 CFR 3.41) Internal Address: □ Enclosed Street Address: 99 Canal Center Plaza, Suite 300 City: Alexandria State: VA Zip: 22314 22314 Ø/1998 JSHMAZZ 0000045 S00417 09158102 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Robert L. Price, 22,685 MAWAMAM		
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DO NOT USE THIS SPACE Of the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Robert L. Price, 22,685 Model of Mod	 Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY 	mbers attached? Yes 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 Enclosed \$40.00
CtSel 40.00 CH 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Robert L. Price, 22,685	 5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 99 Canal Center Plaza, Suite 300 	mbers attached? Yes 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 Enclosed \$40.00 Authorized to be charged to deposit account 8. Deposit account number: 500417 \$40.17
	 5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 99 Canal Center Plaza, Suite 300 City: Alexandria State: VA Zip: 22314 6/1996 JSHR07Z 0000045 500417 09158102 	mbers attached? Yes 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 □ Enclosed Xuthorized to be charged to deposit account 8. Deposit account number: 500417
Total number of pages comprising cover sheet: 1	5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 99 Canal Center Plaza, Suite 300 City: Alexandria State: VA Zip: 22314 O/1998 JSHBAZZ 0000045 500417 09158102 DO NOT C1561 40.00 CH 9. Statement and signature. To the best of my knowledge and belief, the foregoing of the original document.	mbers attached? Yes 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 □ Enclosed \$40.00 □ Authorized to be charged to deposit account 8. 8. Deposit account number: 500417 'USE THIS SPACE information is true and correct and any attached copy is a true copy WHE MAIL

Docket No.: 50180-027 (1466-014)

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

Toshihiro OMI

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

MITUTOYO CORPORATION		
20-1, Sakado 1-chome, Takatsu-ku		
Kawasaki-shi, Kanagawa 213-0012	·····	
Japan		

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

OPTICAL DISPLACEMENT MEASURING APPARATUS

(a) for which an application for United States Letters Patent was filed on , and identified by United States Serial No. ; or

(b) for which an application for United States Letters Patent was executed on ______,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

DATE SIGNED

SIGNED on the date indicated aside my signature:

INVENTOR

Joshipiro ami

5 aug., 1998

Name: Toshihiro OMI

RECORDED: 09/22/1998