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B/O FORM PTO-1595 (Rev. 4/00)

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To the Commissioner for Patents. Please record the attached original documents or copies thereof.

<b>1. Name of Conveying Party(ies):</b> <b>Tsann-Huei CHANG</b> <b>Jih-Jong HSU</b> <b>Shang-Liang CHEN</b>		<b>2. Name and Address of Receiving Party(ies):</b> <b>Name: Industrial Technology Research Institute</b> <b>Internal Address: 195, Chung Hsing Rd.</b> <b>Street Address: Sec. 4, Chutung</b> <b>City, State, Zip: Hsinghu, Taiwan, R.O.C.</b>	
<input type="checkbox"/> Additional names of conveying parties attached.		<b>3. Nature of Conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:	
<b>Execution Date: November 7, 2000</b>			
<b>4. (A) Patent Application Number(s):</b>		<b>4. (B) Patent Number(s):</b>	
If this document is being filed together with a new application, the execution date of the application is: <b>11/7/00</b>		<input type="checkbox"/> Additional name(s) and address(es) attached.	
<input type="checkbox"/> Additional Numbers Attached			
<b>5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:</b> <b>Name: Eugene Mar</b> <b>Address: Bacon &amp; Thomas, PLLC</b> <b>625 Slaters Lane Fourth Floor</b> <b>Alexandria, VA 22314</b>		<b>Total Number of Applications and Patents Involved: 1</b> <b>7. Total Fee: (37 CFR 3.41) \$40.00</b> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <b>8. Deposit Account Number: 02-0200</b> <small>ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT</small>	
DO NOT USE THIS SPACE			
<b>9. Statement and Signature:</b> <b>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.</b> <b>Eugene Mar</b>  <b>November 20, 2000</b> <b>Name of Person Signing</b> <b>Signature</b> <b>Date</b>			
<b>Total number of pages including cover sheet, attachments and document: 3</b>			

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PATENT  
REEL: 011315 FRAME: 0869

# ASSIGNMENT

WHEREAS, I (we), Tsann-Huei, CHANG, Jih-Jong, HSU and Shang-Liang, CHEN

whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful

improvements in

A Shaft Having Thermal Expansion, Thermal Pre-load Yielding and Dynamic Pre-load Adjusting System

(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☐ executed on even date herewith

☒ executed on: Nov. 7, 2000

☐ filed on:

Serial No.:

☐ established by PCT International Patent Application No.:

filed:

designating the United States of America

WHEREAS, INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE

whose post office address is 195, Chung Hsing Rd., Sec. 4, Chutung,

hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of *Bacon & Thomas* to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name Tsann-Huei, CHANG	Address 27, Min-shiun First St., Hsinchu City Taiwan
Where Signed Hsinchu, Taiwan	
Date Nov. 7, 2000	Signature <i>Tsann-Huei Chang</i>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

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## ASSIGNMENT

Page: 2

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Print/Type Name	Print/Type Name
Signature	Signature

Assignor Name Shang-Liang, CHEN	Address 4th Fl., 74, Nan-lin St., Tainan City Taiwan
Where Signed Hsinchu, Taiwan	
Date Nov. 7, 2000	Signature Shang-Liang, Chen
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

Assignor Name	Address
Where Signed	
Date	Signature
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

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