U.S. Department of Commerce FORM PTO-1619A Patent and Trademark Office Expires 06/30/99 PATENT **SUND 204** OMB 0651-0027 07-10-2001 RECC FEE ENCLOSED \$40.00 Please Charge any further fee to Deposit Account No. 18-0002 101770904 TO: The Director of Patents and Trademarks: Please record the attached original document(s) or convies) **Submission Type** Conveyance Type **⋈** New ■ Assignment □ Security Agreement ☐Resubmission (Non-Recordation) ☐ License ☐ Change of Name Document ID# ☐ Merger ☐ Other □Correction of PTO Error U.S. Government Reel# Frame # (For Use ONLY by U.S. Government Agencies) ☐ Departmental File ☐ Secret File ☐ Corrective Document Reel # Frame # **Conveying Party(ies)** ☑ Mark if additional names of conveying parties attached **Execution Date** Month Day Name (line 1) LIU, Ji-Chyun 05162001 Name (line 2) **Second Party Execution Date** Month Day CHANG, Chung-Chi Name (line 1) 05182001 Name (line 2) ☐Mark if additional names of conveying parties attached **Receiving Party** Name (line 1) If document to be recorded is an INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE assignment and the receiving party Name (line 2) is not domiciled in the United States an appointment of a domestic representative is attached.
(Designation must be a separate Address (line 1) No. 195, Sec. 4 Chung Hsing Road document from Assignment) Chutung Address (line 2) Taiwan Hsinchu Address (line 3) State/Country Zip Code City **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Steven M. Rabin Address (line 1) RABIN & CHAMPAGNE, P.C. Address (line 2) 1101 14th Street, N.W. Address (line 3) Suite 500 Address (line 4) D.C. 20005 Washington 07/09/2001 LMUELLER 00000239 09894888 State/Country Zip Code City 01 FC:581 FOR OFFICE USE ONLY

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Correspondent Name and Address Area Code and Telephone Number 202-659-1915 Steven M. Rabin Name 23995 CUSTOMER NO. Enter the total number of pages of the attached conveyance document Pages # 2 including any attachments. Application Number(s) or Patent Number(s) ☐ Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number (s) Patent Number(s) If this document is being filed together with a new Patent Application, enter the date the patent Month Day Year application was signed by the first named executing inventor. 05162001 Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number **PCT PCT PCT PCT** has not been assigned. **PCT PCT** Number of Properties Enter the total number of properties involved. # Fee Amount 40.00 Fee Amount for Properties Listed (37 C.F.R. 3.41): Method of Payment ☐ Deposit Account Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) 18-0002 Deposit Account Number: Authorization to charge additional fees: Yes ☒ No ☐ 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. Charges to deposit account are authorized, as indicated herein. Teven Mikedin June 29,2001 Date Steven M. Rabin Name of Person Signing

Signature

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## ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 1 of 2

WHEREAS	Ji-Chyun LIU, Chung-Chi CHANG and Ju-Chi CHUNG
hereinafter referred t	o collectively as the assignor, has invented a certain improvement
relating to LOO	P COUPLED MICROWAVE CAVITY
[ imes] the inventor	's declaration for said application being executed concurrently with the execution of this
instrument; said app	lication to be filed in the United States Patent and Trademark Office;
[ ] said applicat	ion having been filed in the United States Patent and Trademark Office on,
authorization being h	ereby given to my attorneys, Steven M. Rabin , Thomas M. Champagne , Robert H. Berdo, Jr. ,
and David S. Lee of	RABIN & CHAMPAGNE, P.C., 1101 14 <sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005.,
to insert here in pare	ntheses (Application Serial No) the application serial number of said application
when known;	
[ ] said applica	ation having been filed under the Patent Cooperation Treaty on,
Serial No.	the United States of America being designated.

AND WHEREAS Industrial Technology Research Institute of No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, Taiwan, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters

Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said

assignee's successors and assigns, in accordance herewith.

# ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 2

	EXECUTED, this	day of	***************************************	
ASSIGNOR: Signature: Printed Name: Date:	Ji-Chyan Liu Ji-Chyun LIU May 16, 2001	ASSIGNOR: Signature: Printed Name: Date:	Chungian Charg Chung-Chi CHANG	
ASSIGNOR: Signature: Printed Name: Date:	Ju-Chi Chung Ju-Chi CHUNG May 15, 2001			

RABIN & CHAMPAGNE, P.C., Washington, D.C.

RECORDED: 06/29/2001 REEL: 01194