Form PTO-1595 (Rev. 65/04) OMB No. 0851-0027 (exp. 6/20/2005)	U.S. Department of COMMERCE United States Patent and Trademark Office	
PATENTS ONLY  RECORDATION FORM COVER SHEET  HDP Docket No. 5731-000012/US/NP Express Mail Label No.		
To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.		
Name of conveying party(ies)/Execution Date(s): TAN Beng Ghee	Name and address of receiving party(ies)     Name: Systems on Silicon Manufacturing Co. PTE. Ltd.     Internal Address:	
Execution Date(s) <u>5/24/04</u> Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Street Address: 70, Pasir Ris Industrial Drive 1	
3. Nature of conveyance:		
<ul><li>✓ Assignment</li><li>✓ Merger</li><li>✓ Change of Name</li></ul>	City:	
Government Interest Assignment	State:	
☐ Executive Order 9424, Confirmatory License	Country: Singapore Zip: 519527	
☐ Other	Additional Name(s) & address(es) attached? ☐ Yes ☒ No	
4. Application number(s) or patent number(s):  A. Patent Application No.(s)  10/542,278  Additional numbers after	This document is being filed together with a new application.  B. Patent No.(s)  ached?  Yes  No	
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Matthew L. Cutler	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
internal Address: Hamess, Dickey & Pierce, P.L.C.	Authorized to be charged by credit card	
memai Address, Tierress, Diology & Fision, Capy.		
Street Address: 7700 Bonhomme, Suite 400	☐ Enclosed ☐ None required (government interest not affecting title)	
City: St. Louis		
State: MO Zip: 63105	8. Payment Information	
Phone Number : 314-726-7500	a. Credit Card Last 4 Numbers Expiration Date	
Fax Number: 314-726-7501	b. Deposit Account Number <u>08-0750</u>	
Email Address: mcutler@hdp.com	Authorized User Name	
9. Signature: Mathew Cuth		
Signature Matthew L. Cutler	Total number of pages including cover sheet, attachments, and documents 3	
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Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Attorney Docket No. 5731-000012/US/NP

## <u>ASSIGNMENT</u>

WHEREAS, 1, TAN Beng Ghee, hereinafter referred to as "ASSIGNOR", has invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

PROBE CARD NEEDLE CLEANING FREQUENCY OPTIMIZATION

Application Execution Date:

Filing Date:

Application No.: NEW

WHEREAS, SYSTEMS ON SILICON MANUFACTURING CO. PTE LTD. 70, Pasir Ris Drive L. Singapore 519527, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and other good and valuable considerations, receipt of which is hereby acknowledged by Assignor, Assignor have sold, assigned and transferred, and by these presents does sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries fluoughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignor further agrees that he will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

	We hereby authorize and request ou	attorney, Harness, Dickey & Pierce, P.L.C. , to insert here in parentheses (application number 10/542,278	
filed_	July 14, 2005 the filing date an	d application number of said application when known.	
IN TESTIMONY WHEREOF, Assignor has hereunto signed his name to this assignment on the date indicated			
below.	· X	~ ×	
Dated:	they wan the	TAN Beng Ghec	

PATENT REEL: 017100 FRAME: 0476

**RECORDED: 12/08/2005**