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LT U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office				
Tab settings □□□□ ▼ 102781	102 <u>* * o</u>			
To the Honorable Commissioner of accuss and 1 rademarks:	Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Robert J. Hillard 6.23.04	2. Name and address of receiving party(ies)			
Robert J. Hillard	Name: Solid State Measurements, Inc.			
	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes No				
3. Nature of conveyance:	71-10			
Assignment Merger	Street Address: 110 Technology Drive			
Security Agreement Change of Name	Succe Address			
Other				
	City: Pittsburgh State: PA Zip: 15275			
Execution Date: June 22, 2004	Additional name(s) & address(es) attached?			
4. Application number(s) or patent number(s):	874418			
If this document is being filed together with a new application	on, the execution date of the application is: June 22, 2004			
A. Patent Application No.(s)	B. Patent No.(s)			
"METHOD AND APPARATUS FOR DETERMINING GENERATION LIFETIME OF				
PRODUCT SEMICONDUCTOR WAFERS" Additional numbers a	 			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
<u>.</u>	7. Total fee (37 CFR 3.41) \$ 40.00			
Name: William H. Logsdon	x Enclosed			
Internal Address: Webb Ziesenheim Logsdon				
Orkin & Hanson, P.C.	Authorized to be charged to deposit account			
	8. Deposit account number:			
Street Address: 700 Koppers Building	23-0650			
436 Seventh Avenue				
430 Sevenui Avenue	(Attack dualizate consecutive			
City: Pittsburgh State: PA Zip: 15219	(Attach duplicate copy of this page if paying by deposit account)			
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.				
William H. Logsdon, No. 22,132	June 23, 2004			
Name of Person Signing	Signature Date			
Total number of pages including cover theet, attachments, and documents:				

documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450, Alexandria, VA 22313-1450

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PATENT REEL: 015512 FRAME: 0306

ASSIGNMENT

WHEREAS, I, Robert J. Hillard, residing at 842 Taylor Avenue, City of Avalon, County of Allegheny, Commonwealth of Pennsylvania 15202 have invented certain new and useful improvements in "METHOD AND APPARTUS FOR DETERMINING GENERATION LIFETIME OF PRODUCT SEMICONDUCTOR WAFERS" for which I have executed an application for United States Letters Patent;

AND, WHEREAS, Solid State Measurements, Inc., a corporation of the Commonwealth of Pennsylvania, having a place of business at 110 Technology Drive, Pittsburgh, Pennsylvania 15275, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-inpart, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED 22-JUN . 2004.

(W0124510.1)

RECORDED: 06/23/2004

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PATENT REEL: 015512 FRAME: 0307