Atty Docket No.:

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To the Honorable Commissioner of Patents and Trademarks. Please record the at ginal documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Audunn LUDVIKSSON and Eric J. STRANG 2.27-03 TOKYO ELECTRON LIMITED Name: Address: **TBS Broadcast Center** 3-6, Akasaka 5-chome Minato-ku, Tokyo 107-8481 JAPAN Additional name(s) of conveying party(ies) attached? 

Yes 
No 03-04-2003 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name 102379390 ☐ Other Additional name(s) and address(es) attached? ☐Yes No Execution Date: January 27, 2003 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 10/331,456 Additional numbers attached? 

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Enclosed ☐ Authorized to be charged to deposit account 22850 8. Deposit account number: 15-0030 (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. Michael R. Casey, Ph.D. Name of Person Signing Registration Number: 40,294 Notal number of pages including this cover sheet: 3 03/04/2003 ECDOPER 00000020 10331456 40.00 DP 01 FC:8021 Do not detach this portion Mail documents to be recorded with required cover sheet information to: **Commissioner of Patents and Trademarks Box Assignments** Washington, D.C. 20231

## **Assignment of Application**

RT NAMES	WHEREAS, I (WE) Audunn LUDVIKSSON of Scottsdale, Arizona	
RESIDENCE RESS OF	Eric J. STRANG of Chandler, Arizona	
INVENTORS:		_
•		
	, respective	у,
ERT TITLE OF ENTION:	have invented certain new and useful improvements in: MONITORING EROSION OF SYSTEM COMPONENTS	
	BY OPTICAL EMISSION	
ERT DATE ENTORS SIGNED CLARATION:	For which an application for Letters Patent was executed on	
	(Application No. 10/331,456 , filed December 31, 2002 ), an	a
	(Application No. <u>10/331,456</u> , filed <u>December 31, 2002</u> ), an	u
	WHEREAS, TOKYO ELECTRON LIMITED	

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having places of business at: <u>TBS Broadcast Center</u>, 3-6, Akasaka 5-chome, <u>Minato-ku</u>, <u>Tokyo 107-8481 JAPAN</u> is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: January 27, 2003	August wile sean
Date: 1/27/\$3	(Signature of Inventor)  Audunn LUDVIKSSON  (Signature of Inventor)  Eric J. STRANG
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	
Date:	(Signature of Inventor)
	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

10/01

PATENT REEL: 013795 FRAME: 0753

**RECORDED: 02/27/2003**