10/539571 1117X1-40 PCT/PTO 17 JUN 2005 11-08-2005 Atty Docket No.: 273959US26XPCT U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 06-04 To the Director of the United States Patent and d original documents or copy thereof. 103115206 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Toru KIMURA TOKYO ELECTRON LIMITED and Name: 🙎 Hiroshi NARUSHIMA NHK SPRING CO., LTD. Tsutomu HIROKI Address: 3-6, Akasaka 5-chome, Minato-ku Tokyo 107-8481, Japan Additional name(s) of conveying party(ies) attached?

Yes No 3-10, Fukuura, Kanazawa-ku, Yokohama-shi Kanagawa 236-0004, Japan 3. Nature of Conveyance: Assignment ☐ Merger [] Security Agreement ☐ Change of Name Other Execution Date: 06/01/05; 06/03/05; 06/03/05 Additional name(s) and address(es) attached?

Yes No 4. Application number(s) or patent number(s): This document is being filed together with a new application B. Patent No.(s) A. Patent Application No.(s) 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 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (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, copy of the original document. Steven P. Weihrouch	the foregoing information is true and correct an	I tool 17 1005
Name of Person Signing	Signature	Date
Registration Number: 32,829	Surinder Sachar Registration No. 34,423	
Total	number of pages including this cover sheet: 3	
/	Do not detach this portion	

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office

06/23/2005 LLANDGRA 00000033 10535571

Mail Stop Assignment Recordation Services
Alexandria, Virginia. 22313

04 FC:8021

40.00 DF

PATENT REEL: 017185 FRAME: 0045

ASSIGNMENT

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LID APPARATUS AND VACUUM CONTAINER APPARATUS

sell and assign to

- 1. TOKYO ELECTRON LIMITED, a Japanese corporation, having a business address at 3-6, Akasaka 5-chome, Minato-ku, Tokyo 107-8481 Japan
- 2. NHK SPRING CO., LTD., a Japanese corporation, having a business address at 3-10, Fukuura, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) [X]		executed concurrently herewith		
		executed on	;	
	[]	Application No.	, filed	

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314

PATENT REEL: 017185 FRAME: 0046 [1st Inventor]

236-0004, Japan		Kanazawa-ku, Yokohama-shi, Kanagawa
Citizenship: Japan		
Toru Kir	nura	JUN 1. 2005
Toru Kimura	Date:	
[2nd Inventor] Residence Address: Nirasal Mailing Address: c/o TOKY Nirasaki-shi, Yamanashi 40 Citizenship: Japan	O ELECTRON AT LIMITED, 650,	Mitsusawa, Hosaka-cho,
Hiroshi Narushi	ma	JUN : - 3. 2005
Hiroshi Narushima	Date:	
Residence Address: Nirasak Mailing Address: c/o TOKYO Nirasaki shi, Yamanashi 40 Citizenship: Japan Lutomu Hirok) ELECTRON AT LIMITED, 650, I 7-0192 Japan	Mitsusawa, Hosaka-cho, JUN 3. 2005
Tsutomu Hiroki	Date:	00111 012000
[4th Inventor] Residence Address: Mailing Address: Citizenship:		
	Date:	
[5th Inventor] Residence Address: Mailing Address: Citizenship:		
	Date:	

PATENT REEL: 017185 FRAME: 0047

RECORDED: 06/17/2005