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2. Name and address of receiving party(ies): Name: TOKYO ELECTRON LIMITED Address: 3-6, Akasaka 5-chome, Minato-ku, Tokyo 107-8481, Japan

10-30-2003 [Barcode] 102587711 Additional name(s) and address(es) attached?  Yes  No

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: A. Patent Application No.(s) 10/615,915 B. Patent No.(s) Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed: Customer Number 22850 Tel. (703) 413-3000 Fax. (703) 413-2220

6. Total applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 [X] Enclosed [ ] Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)

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PATENT REEL: 014631 FRAME: 0661

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sell and assign to

TOKYO ELECTRON LIMITED

a Japanese corporation, having a place of business at 3-6 Akasaka 5-chome, Minato-ku, Tokyo 107-8481, Japan

their successors, and 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)  executed concurrently herewith;  
 executed on \_\_\_\_\_ ;  
 Application No. 10/615,915 , filed July 10, 2003

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.

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