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To the Honorable Commissioner of Patents at

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100723869

Takayuki KATANO (5/6/98), Junichi KITANO (5/6/98),
Masami AKIMOTO (5/12/98), and Norio SEMBA (5/12/98)Name: Tokyo Electron Limited

Internal Address:

Street Address: 3-6 Akasaka 5-chome, Minato-kuCity: Tokyo, State: JAPAN ZIP: 107-8481Additional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

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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: May 6 and 12, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Colin G. SandercockInternal Address: FOLEY & LARDNERStreet Address: 3000 K Street, N.W., Suite 500City: Washington, State: D.C. ZIP: 20007-51096. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41). \$\$40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 19-0741

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*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.*for Colin G. Sandercock

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Date

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A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o Legal & Intellectual Property Dept., TOKYO ELECTRON LIMITED, 3-6 Akasaka 5-chome, Minato-ku, Tokyo 107-8481, Japan and a residence as stated below next to 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:

TREATMENT APPARATUS, TREATMENT METHOD, AND IMPURITY
REMOVING APPARATUS

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and assigned Serial No. _____ ;
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a corporation of Japan, having a business address at
3-6 Akasaka 5-chome, Minato-ku, Tokyo 107-8481, Japan

its successors, assigns or nominees, hereinafter referred to as
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A S S I G N M E N T

98S0259-1

Inventor: (Signature)	Date	Residence
<div style="text-align: center; margin-bottom: 5px;"><i>Takayuki Katano</i></div> <div style="border-top: 1px solid black; padding-top: 2px;">Takayuki Katano</div>	<div style="margin-bottom: 5px;">May 6, 1998</div> <div style="border-top: 1px solid black; padding-top: 2px;">May 6, 1998</div>	<div style="margin-bottom: 5px;">1180-28-302, Fujiimachikitagejo, Nirasaki-shi, Yamanashi-ken, Japan</div> <div style="border-top: 1px solid black; padding-top: 2px;">1180-28-302, Fujiimachikitagejo, Nirasaki-shi, Yamanashi-ken, Japan</div>
<div style="text-align: center; margin-bottom: 5px;"><i>Junichi Kitano</i></div> <div style="border-top: 1px solid black; padding-top: 2px;">Junichi Kitano</div>	<div style="margin-bottom: 5px;">May 6, 1998</div> <div style="border-top: 1px solid black; padding-top: 2px;">May 6, 1998</div>	<div style="margin-bottom: 5px;">4-10-6, Iida, Kofu-shi, Yamanashi-ken, Japan</div> <div style="border-top: 1px solid black; padding-top: 2px;">4-10-6, Iida, Kofu-shi, Yamanashi-ken, Japan</div>
<div style="text-align: center; margin-bottom: 5px;"><i>Masami Akimoto</i></div> <div style="border-top: 1px solid black; padding-top: 2px;">Masami Akimoto</div>	<div style="margin-bottom: 5px;">May 12, 1998</div> <div style="border-top: 1px solid black; padding-top: 2px;">May 12, 1998</div>	<div style="margin-bottom: 5px;">1-7-28, Kurokami, Kumamoto-shi, Kumamoto-ken, Japan</div> <div style="border-top: 1px solid black; padding-top: 2px;">1-7-28, Kurokami, Kumamoto-shi, Kumamoto-ken, Japan</div>
<div style="text-align: center; margin-bottom: 5px;"><i>Norio Semba</i></div> <div style="border-top: 1px solid black; padding-top: 2px;">Norio Semba</div>	<div style="margin-bottom: 5px;">May 12, 1998</div> <div style="border-top: 1px solid black; padding-top: 2px;">May 12, 1998</div>	<div style="margin-bottom: 5px;">1866-820, Kikudomi, Koshimachi, Kikuchi-gun, Kumamoto-ken, Japan</div> <div style="border-top: 1px solid black; padding-top: 2px;">1866-820, Kikudomi, Koshimachi, Kikuchi-gun, Kumamoto-ken, Japan</div>

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