

10-15-2004



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DT04 Rec'd PCT/PTO 25 JUN 2004

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To the Honorable Commission

attached original documents or copy thereof.

1. Name of conveying party(ies):

Shinji Irie
Hirofumi Sakai

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Tokyo Electron Limited

Internal Address:

Street Address: 3-6, Akasaka 5-Chome

Minato-Ku, Tokyo-To, JAPAN

City: State: Zip:

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: June 23, 2004

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)

PCT/JP02/09512

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Smith, Gambrell & Russell

Internal Address:

Street Address: 1850 M Street, N.W.

Suite 800

City: Washington State: DC Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$ 40

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

02-4300

(Attach duplicate copy of this page if paying by deposit account)

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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 A. Makuch

Name of Person Signing

Signature

June 25, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
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譲渡証 (Translation/日本語訳)

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 優先権を伴う一切の権利；を、日本国東京都港区赤坂五丁目3
 番6号に住所を有する東京エレクトロン株式会社、その後継
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さらに、私/私達は、東京エレクトロン株式会社（以下譲受人
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 ての外国に於いて出願し、特許を受けること；またこの譲渡証
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 及び法定代理人の費用負担にて、一部継続出願、継続出願、分
 割出願、差替え出願、再発行出願、特許期間延長等を行い、合
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 または準法的訴訟手続に於いて証言を行うこと；当該発明とそ
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 許出願に際し、当該譲受人、後継者、被譲渡者、及び法定代理
 人に対して法的権限を付与することが望ましいと考慮すること
 について、可能な限り行うことを承諾する。

Assignment

For good and valuable consideration, the receipt of which is
 hereby acknowledged, I/WE, the undersigned,
Shinji Irie and Hirofumi Sakai

who have created a certain invention for which an application for
 United States Letters Patent

- ☐ executed by ME/US on even date herewith,
☐ executed by ME/US on _____
 (respectively).
☐ filed on _____ and assigned
 Serial No. _____
☒ filed as International Application No. PCT/JP 02/09512
 filed on 17/September/2002,

and entitled:

**BOAT FOR THERMAL PROCESS AND
 VERTICAL THERMAL PROCESSING UNIT**

Do hereby sell, assign and transfer to TOKYO ELECTRON
 LIMITED, a corporation of Japan, having a place of business at
 3-6, Akasaka 5-Chome, Minato-Ku, Tokyo-To, Japan, its
 successors, assigns, and legal representatives, the full and
 exclusive right to said invention and said application and to any
 and all inventions described in said application for the United
 States, its territorial possessions and 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, its
 territorial possessions and all foreign countries; and in and to any
 and all continuations-in-part, continuations, divisions, substitutes,
 reissues, extensions thereof, and all other applications for Letters
 Patent relating thereto which have been or shall be filed in the
 United States, its territorial possessions and/or any foreign
 countries, and all rights, together with all priority rights, under any
 of the international conventions, unions, agreements, acts, and
 treaties, including all future conventions, unions, agreements,
 acts, and treaties;

Agree that TOKYO ELECTRON LIMITED, hereinafter referred to
 as Assignee, may apply for and receive Letters Patent for said
 invention and said inventions, hereinafter referred to as said
 invention, in its own name, in the United States, its territorial
 possessions, and all foreign countries; and that, when requested
 to carry out in good faith the intent and purpose of this
 assignment, at the expense of said Assignee, its successors,
 assigns and legal representatives, the undersigned will execute all
 continuations-in-part, continuations, divisions, substitutes,
 reissues, extensions thereof, execute all rightful oaths,
 assignments, powers of attorney and other papers, testify in any
 legal or quasi legal proceedings; communicate to said Assignee,
 its successors, assigns or legal representatives all facts known to
 the undersigned relating to said invention and the history thereof;
 and generally do everything possible which said Assignee, its
 successors, assigns, or legal representatives shall consider
 desirable for aiding in securing, maintaining and enforcing proper
 patent protection for said invention and for vesting title to said
 invention and all applications for patents on said invention in said
 Assignee, its successors, assigns, or legal representatives; and

そして、私/私達は、この書面により譲渡された権利や財産に影響する、如何なる譲渡、授権、抵当権、ライセンス等その他の協定も他の第三者との間で行っていないこと；下記に署名した私/私達によって、この書面に記載されている権利が所有されていることを、当該譲受人、後継者、被譲渡者、及び法定代理人に対して誓約するものである。

さらに、下記に署名した私/私達はこの譲渡書は英語の部分の表現によってのみ解釈されることに同意する。

上記を証明するため、私/私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

唯一または第一発明者名		Full name of sole or first inventor	
		Shinji Irie	
発明者の署名	日付	Inventor's signature	Date
		<i>Shinji Irie</i>	June 23, 2004
第二共同発明者 (いる場合)		Full name of second joint inventor, if any	
		Hirofumi Sakai	
第二共同発明者の署名	日付	Second Inventor's signature	Date
		<i>Hirofumi Sakai</i>	June 23, 2004
第三共同発明者 (いる場合)		Full name of third joint inventor, if any	
第三共同発明者の署名	日付	Third Inventor's signature	Date
第四共同発明者 (いる場合)		Full name of fourth joint inventor, if any	
第四共同発明者の署名	日付	Fourth Inventor's signature	Date
第五共同発明者 (いる場合)		Full name of fifth joint inventor, if any	
第五共同発明者の署名	日付	Fifth Inventor's signature	Date
第六共同発明者 (いる場合)		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付	Sixth Inventor's signature	Date
第七共同発明者 (いる場合)		Full name of seventh joint inventor, if any	
第七共同発明者の署名	日付	Seventh Inventor's signature	Date
第八共同発明者 (いる場合)		Full name of eighth joint inventor, if any	
第八共同発明者の署名	日付	Eighth Inventor's signature	Date