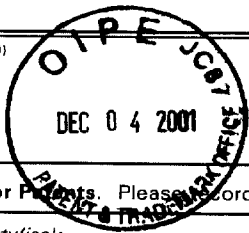


12-10-2001



101912995

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of Conveying Party(ies):
 Tatsuhisa MATSUNAGA
 Kouichi NOTO
 12/5/01

2. Name and Address of Receiving Party(ies):
 Name: Hitachi Kokusai Electric Inc.
 Street Address: 14-20, 3-chome, Higashi-Nakano,
 City, State, Zip: Nakano-ku, Tokyo 164-8511,
 JAPAN
 Additional name(s) and address(es) attached.

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
 Execution Date: September 7, 2001

4. (A) Patent Application Number(s):
 09/945,643

If this document is being filed together with a new application, the execution date of the application is:
 Additional Numbers Attached

4. (B) Patent Number(s):

5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:
 Name: Eugene Mar
 Bacon & Thomas, PLLC
 625 Slaters Lane Fourth Floor
 Alexandria, VA 22314



23364

PATENT TRADEMARK OFFICE

Total Number of Applications and Patents Involved:	1
7. Total Fee: (37 CFR 3.41)	\$40.00
<input checked="" type="checkbox"/> Enclosed	
<input type="checkbox"/> Authorized to be charged to deposit account	
8. Deposit Account Number:	02-0200

ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT

9. Statement and Signature:
 To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.
 Eugene Mar
 Name of Person Signing Signature Date
 December 4, 2001

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

12/05/2001 STEUMEL1 00000056 09945643

02 FC:581

40.00 DP

ASSIGNMENT

Page 2

Assignor Name Tatsuhisa MATSUNAGA	Address 14-20, 3-chome, Higashi-Nakano, Nakano-ku, Tokyo 164-8511, Japan
Where Signed Tokyo, Japan	
Date <i>September 7, 2001</i>	Signature <i>Tatsuhisa Matsunaga</i>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

Assignor Name Kouichi NOTO	Address 14-20, 3-chome, Higashi-Nakano, Nakano-ku, Tokyo 164-8511, Japan
Where Signed Tokyo, Japan	
Date <i>September 7, 2001</i>	Signature <i>Kouichi Noto</i>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

ASSIGNMENT

WHEREAS, I (we), **Tatsuhisa MATSUNAGA** and **Kouichi NOTO**

whose post office address(es) appear(s) below, hereinafter referred to as **ASSIGNOR**, is(are) the owner of certain new and useful improvements in **SUBSTRATE PROCESSING APPARATUS**

(hereinafter referred to as the **INVENTION**) for which an application for United States Letters Patent was

executed on even date herewith

executed on:

filed on: **September 5, 2001** Serial No.: **09/945,643**

established by PCT International Patent Application No.: filed:
designating the United States of America

WHEREAS, **Hitachi Kokusai Electric Inc.**

whose post office address is **14-20, 3-chome, Higashi-Nakano, Nakano-ku, Tokyo 164-8511, Japan** hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in and to the same in the united States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), **ASSIGNOR**, by these presents do sell, assign and transfer unto said **ASSIGNEE**, the entire right, title, and interest in and to said **INVENTION** and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, **ASSIGNOR** hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said **INVENTION**, including additional documents that may be required to affirm the rights of **ASSIGNEE** in and to said **INVENTION**, all without further consideration. **ASSIGNOR** also agrees, without further consideration and at **ASSIGNEE**'s expense, to identify and communicate to **ASSIGNEE** at **ASSIGNEE**'s request documents and information concerning the **INVENTION** that are within **ASSIGNOR**'s possession or control, and to provide further assurances and testimony on behalf of **ASSIGNEE** that lawfully may be required of **ASSIGNOR** in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. **ASSIGNOR**'s obligations under this instrument shall extend to **ASSIGNOR**'s heirs, executors, administrators and other legal representatives.

ALSO, **ASSIGNOR** hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to **ASSIGNEE**, as the **ASSIGNEE** of the entire right, title and interest in and to the same, for **ASSIGNEE**'s sole use and behoof, and for the use and behoof of **ASSIGNEE**'s legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by **ASSIGNOR** had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.