

03-11-2003



102386858

EET

Attorney Docket  
No.: 9448-134US  
(G0251US)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masumi TANINAKA  
Hiroyuki FUJIWARA  
Hiroshi HAMANO  
Masaharu NOBORI

2-25-03

2. Name and address of receiving party(ies):

Oki Data Corporation  
11-22, Shibaura 4-chome,  
Minato-ku, Tokyo 108-8551  
JAPAN

10355 U.S. PTO  
10/373404  
02/25/03

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: February 7, 2003

4. Application number(s) or patent number(s):

10373404

If this document is being filed together with a new application, the execution date of the application is: February 7, 2003

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

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6. Total number of applications and patents involved: [1]

7. Total fee (37 C.F.R. 3.41) Cal. 1 x \$40.00 = \$ 40.00

☒ Check enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-1017

(Billing No.: 209448.0134)

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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.

03/11/2003 ECDOPER 00000003 10373404

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40.00 DP

JOHN D. SIMMONS

Name of Person Signing

Signature

Date

02/25/2003

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



Attorney Docket No. 9448-134US  
Ref. No.: G0251US  
JOINT

**ASSIGNMENT**

**WHEREAS**, we, Masumi TANINAKA, Hiroyuki FUJIWARA, Hiroshi HAMANO  
and Masaharu NOBORI,  
respectively citizens of Japan, with respective post office addresses of  
c/o Oki Digital Imaging Corporation of 550-1, Higashiasakawa-cho, Hachioji-shi, Tokyo  
193-8550 Japan,  
hereinafter generally referred to as "ASSIGNORS", have invented a certain new and useful

ARRAY OF SEMICONDUCTOR ELEMENTS WITH PAIRED DRIVING SCHEME

for which we have executed a United States patent application, Application No. \_\_\_\_\_,  
filed Herewith, \_\_\_\_\_, and

**ASSIGNORS** authorize ASSIGNEE or ASSIGNEE's representative to insert the  
Application Number and Filing date of this application if they are unknown at the time of  
execution of this Assignment.

**WHEREAS**, Oki Data Corporation, a Japanese  
corporation having a place of business at 11-22, Shibaura 4-chome, Minato-ku, Tokyo  
108-8551 Japan, hereinafter generally referred to as "ASSIGNEE", is  
desirous of acquiring said invention and said patent application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar and other good and  
valuable executed consideration, the full receipt and sufficiency of all of which are hereby  
acknowledged, and intending to be legally bound hereby, we, the undersigned ASSIGNORS,  
hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer  
and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the  
territory of the United States and its possessions and territories and all foreign  
countries;

in and to the above patent application and any and all related United States and  
foreign patent applications disclosing said invention, including provisionals, non-  
provisionals, divisions and continuations thereof, along with all rights of priority  
created by said patent application under any treaty relating thereto; and



in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

February 7, 2003

(Date)

Masumi Taninaka

(Seal)

Masumi TANINAKA

February 7, 2003

(Date)

Hiroyuki Fujiwara

(Seal)

Hiroyuki FUJIWARA

February 7, 2003

(Date)

Hiroshi Hamano

(Seal)

Hiroshi HAMANO

February 7, 2003

(Date)

Masaharu Nobori

(Seal)

Masaharu NOBORI