

FORM PTO-1586 (modified)		05-02-2000	ET	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Assistant Secretary and Com or copy(ies) thereof.		101340534		
1. Name of conveying party(ies): <u>4-14-00</u> Keita SAKAI; Koji TOYOTA; Shozou SHIRAGA; Satoshi YAMAURA and Yuji DOI Additional name(s) of conveying party(ies) attached? <u>No</u>		2. Name and address of receiving party(ies): Name: <u>Matsushita Electric Industrial Co., Ltd.</u> Street Address: <u>1006, Oaza Kadoma, Kadoma-shi Osaka, 571-8501 Japan</u> Additional name(s) & address(es) attached? <u>No</u>		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>March 23, 2000</u>				
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) <u>09/462,790</u> B. Patent No.(s) <u>issued</u> Additional numbers attached? <u>No</u>				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>WENDEROTH, LIND & PONACK, L.L.P.</u> <u>Attn: Charles R. Watts, Esq.</u> Street Address: <u>2033 K Street, N.W., Suite 800</u> City: <u>Washington, State: DC</u> ZIP: <u>20006</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed (Check No. <u>3</u>) Authorized to be charged to deposit account 8. Deposit account number: <u>23-0975</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE				
9. Statement and signature. <i>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.</i> Charles R. Watts, Reg. No. 33,142 <u>Charles R. Watts</u> <u>April 14, 2000</u> Name of Person Signing Signature Date Total number of pages including cover sheet: <u>3</u>				
OMB No. 0651-0011 (exp. 4/94)				
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03/01/2000 JJLLANE 00000043 09462790 FC:581 40.00 BP		THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEE FOR THIS PAPER TO THE POST ACCOUNT NO 23-0975.		
Mail documents to be recorded with required cover sheet information: Commissioner and Assistant Secretary of Patents and Trademarks Box Assignments Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.				

**PATENT
REEL: 010740 FRAME: 0127**

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Keita SAKAI, Koji TOYOTA, Shozou SHIRAGA, Satoshi YAMAURA and Yuji DOI

Insert Name(s)
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

Matsushita Electric Industrial Co., Ltd.

Address

of 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

Title of
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 USC 100, in the invention known as

THERMAL PRINTER AND DRIVING DEVICE FOR THE SAME

Date of Signing
of Application

for which an application for patent in the United States of America has been executed by the undersigned

on March 23, 2000

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT
REEL: 010740 FRAME: 0128

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 Street K Street, N.W., Suite 800, Washington, D.C. 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date March 23, 2000, Name of Inventor Keita Sakai
 Keita SAKAI
 Date March 23, 2000, Name of Inventor Koji Toyota
 Koji TOYOTA
 Date March 23, 2000, Name of Inventor Shozou Shiraga
 Shozou SHIRAGA
 Date March 23, 2000, Name of Inventor Satoshi YAMAURA
 Satoshi YAMAURA
 Date March 23, 2000, Name of Inventor Yuji DOI
 Yuji DOI
 Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Yuji Fuku
 Witness Koji Kame

ACKNOWLEDGMENT

_____ }
 _____ } ss

This _____ day of _____, 19____, before me
 personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

 Official Signature

 Official Title

SEAL

The above application may be more particularly identified as follows:

U.S. Application Serial No. 09/462,790 Filing Date January 12, 2000
 Applicant Reference Number P20715-01(I.S.Tomioka) Atty Docket No. 00169/P20715-01(I.S.Tomioka)
 Title of Invention THERMAL PRINTER AND DRIVING DEVICE FOR THE SAME **PATENT**

RECORDED: 04/14/2000

REEL: 010740 FRAME: 0129