Atty. Docket No.: 54-198P Page 1 of 1

	3-27-2000
RECUL	
To the Honorabi Please record the .	01298475 eof.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
YAMADA, Keiki; FURUKI, Ichiro	Name: MITSUBISHI DENKI KABUSHIKI KAISI
Additional name(s) of conveying party(ies) attached?  Yes No  Nature of conveyance:	Internal Address: Street Address: 2-3, Marunouchi 2-chome, Chiyoda-k
	City: TOKYO State: ZIP:
Security Agreement Change of Name  Other:	Country: <b>JAPAN</b> Postal Code: <b>100-8310</b> Additional name(s) & address(es) attached?  Yes  No
Execution Date: February 16, 2000  4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, t	he execution date of the application is: February 16, 2000
A. Patent Application No(s).	B. Patent No.(s).
New	
Additional numbers atta	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total No. of applications/patents involved: One (1)
	7. Total fee (37 C.F.R. § 3.41): \$40.00
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	7. Total fee (37 C.F.R. § 3.41): \$40.00
Street Address: P.O. BOX 747	<ul><li>☑ Enclosed</li><li>☑ Authorized to be charged to deposit account,</li></ul>
Street Address: P.O. BOX 747  City: FALLS CHURCH State: VA ZIP: 22040-0747	Enclosed     Enclosed     Enclosed     Enclosed
Street Address: P.O. BOX 747	<ul> <li>☑ Enclosed</li> <li>☑ Authorized to be charged to deposit account, if no fee attached.</li> </ul>
Street Address: P.O. BOX 747  City: FALLS CHURCH State: VA ZIP: 22040-0747  Country: USA	<ul> <li>Enclosed</li> <li>✓ Authorized to be charged to deposit account, if no fee attached.</li> <li>8. Deposit account number: 02-2448</li> <li>(Attach triplicate copy of this page if paying by deposit account)</li> </ul>
Street Address: P.O. BOX 747  City: FALLS CHURCH State: VA ZIP: 22040-0747  Country: USA	<ul> <li>Enclosed</li> <li>Authorized to be charged to deposit account, if no fee attached.</li> <li>8. Deposit account number: 02-2448</li> <li>(Attach triplicate copy of this page</li> </ul>
Street Address: P.O. BOX 747  City: FALLS CHURCH State: VA ZIP: 22040-0747  Country: USA  DO NOT US  9. Statement and signature.	Enclosed  Authorized to be charged to deposit account, if no fee attached.  8. Deposit account number: 02-2448  (Attach triplicate copy of this page if paying by deposit account)  E THIS SPACE
Street Address: P.O. BOX 747  City: FALLS CHURCH State: VA ZIP: 22040-0747  Country: USA  DO NOT US  9. Statement and signature.  To the best of my knowledge and belief, the foregoing	<ul> <li>Enclosed</li> <li>✓ Authorized to be charged to deposit account, if no fee attached.</li> <li>8. Deposit account number: 02-2448</li> <li>(Attach triplicate copy of this page if paying by deposit account)</li> </ul>

Mail documents to be recorded with required cover sheet information to:

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Washington, DC 20231

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## **ASSIGNMENT**

which was executed by the undersigned on	MITSUBISHI DENKI KABUSHIKI KAISHA 2-3. Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN ed the Assignee), its successors and assigns, the entire right, title, and interest ation for United States Letters Patent entitled OPTICAL PRINTING APPARATUS sexecuted by the undersigned on the dates indicated below and accorded Serial No. (hereinafter called the Application); all inventions and improvements which are described in the Application; all United States Letters Patents which may be granted on the Application fiter called Patent); all divisions, continuations, substitutes, reexaminations, reissues, or extensions opplication or Patent; and ts under the International Convention for the Protection of Industrial Property. ignee of said patent application and the attorneys appointed to prosecute said on are authorized to insert in this instrument the filing date and serial number on. In missioner of Patents and Trademarks is authorized to issue any and all of said when granted, to said Assignee. It is agreed that, when requested, without charge to but at the expense of said dersigned will execute all divisional, continuing, substitute, or reissue patent excute all additional assignments and other writings, including reexamination ride all reasonable assistance requested by the Assignee to secure and maintain in protection.	MITSUBISHI DENKI KABUSHIKI KAISHA of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN  dereinafter called the Assignee), its successors and assigns, the entire right, title, and interest and to:  the application for United States Letters Patent entitled OPTICAL PRINTING APPARATUS which was executed by the undersigned on and accorded Serial No and accorded Serial No (hereinafter called the Application);
of 2-3. Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN  (hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:  (i) the application for United States Letters Patent entitled OPTICAL PRINTING APPARA which was executed by the undersigned on the dates indicated below or was filed on and accorded Serial Notes (hereinafter called the Application);  (ii) any and all inventions and improvements which are described in the Application;  (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);  (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extension of the Application or Patent; and  (v) all benefits under the International Convention for the Protection of Industrial Propert Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.  The Commissioner of Patents and Trademarks is authorized to issue any and all of sa Letters Patent, when granted, to said Assignee.  Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and mainta appropriate patent protection.	ed the Assignee), its successors and assigns, the entire right, title, and interest ation for United States Letters Patent entitled OPTICAL PRINTING APPARATUS is executed by the undersigned on the dates indicated below and accorded Serial No. (hereinafter called the Application); till inventions and improvements which are described in the Application; till divisions, continuations, substitutes, reexaminations, reissues, or extensions opplication or Patent; and its under the International Convention for the Protection of Industrial Property. In this instrument the filing date and serial number on.  In missioner of Patents and Trademarks is authorized to issue any and all of said when granted, to said Assignee.  It is agreed that, when requested, without charge to but at the expense of said dersigned will execute all divisional, continuing, substitute, or reissue patent secute all additional assignments and other writings, including reexamination ride all reasonable assistance requested by the Assignee to secure and maintain interprotection.	of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN  dereinafter called the Assignee), its successors and assigns, the entire right, title, and interest and to:  the application for United States Letters Patent entitled OPTICAL PRINTING APPARATUS  which was executed by the undersigned on the dates indicated below or was filed on and accorded Serial No (hereinafter called the Application);
in and to:  (i) the application for United States Letters Patent entitled OPTICAL PRINTING APPARA which was executed by the undersigned on the dates indicated below or was filed on and accorded Serial No. (hereinafter called the Application);  (ii) any and all inventions and improvements which are described in the Application;  (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);  (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extension of the Application or Patent; and  (v) all benefits under the International Convention for the Protection of Industrial Propert Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filling date and serial number of said application.  The Commissioner of Patents and Trademarks is authorized to issue any and all of sa Letters Patent, when granted, to said Assignee.  Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and mainta appropriate patent protection.  EX.Y. Fiebry The Parameter.	ation for United States Letters Patent entitled OPTICAL PRINTING APPARATUS s executed by the undersigned on and accorded Serial No and accorded Serial No (hereinafter called the Application);  all inventions and improvements which are described in the Application;  all United States Letters Patents which may be granted on the Application for called Patent);  all divisions, continuations, substitutes, reexaminations, reissues, or extensions application or Patent; and  as under the International Convention for the Protection of Industrial Property.  aignee of said patent application and the attorneys appointed to prosecute said and are authorized to insert in this instrument the filing date and serial number  and some of Patents and Trademarks is authorized to issue any and all of said when granted, to said Assignee.  att is agreed that, when requested, without charge to but at the expense of said dersigned will execute all divisional, continuing, substitute, or reissue patent accute all additional assignments and other writings, including reexamination and accorded below	the application for United States Letters Patent entitled OPTICAL PRINTING APPARATUS  which was executed by the undersigned on the dates indicated below or was filed on filed on the dates indicated below and accorded Serial No.  (hereinafter called the Application);
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or was filed on	ced on	or was filed on and accorded Serial No(hereinafter called the Application);
(ii) any and all inventions and improvements which are described in the Application; (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent); (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extension of the Application or Patent; and (v) all benefits under the International Convention for the Protection of Industrial Propert Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.  The Commissioner of Patents and Trademarks is authorized to issue any and all of sa Letters Patent, when granted, to said Assignee.  Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintal appropriate patent protection.  INVENTOR(S):  (iv) any and all inventions and improvements which may be granted on the Application; called Patents, and all of the Protection of Industrial Propertions.	(hereinafter called the Application); all inventions and improvements which are described in the Application; all United States Letters Patents which may be granted on the Application fter called Patent); all divisions, continuations, substitutes, reexaminations, reissues, or extensions application or Patent; and ts under the International Convention for the Protection of Industrial Property. ignee of said patent application and the attorneys appointed to prosecute said on are authorized to insert in this instrument the filing date and serial number on.  In missioner of Patents and Trademarks is authorized to issue any and all of said when granted, to said Assignee.  It is agreed that, when requested, without charge to but at the expense of said dersigned will execute all divisional, continuing, substitute, or reissue patent excute all additional assignments and other writings, including reexamination ride all reasonable assistance requested by the Assignee to secure and maintain the protection.	(hereinafter called the Application);
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INVENTOR(S):  Hebriary  Figure 1. The broad of the broad	K.Y Flebring	plications; execute all additional assignments and other writings, including reexamination pers; and provide all reasonable assistance requested by the Assignee to secure and maintain
// / G	Keilei formada  February 16, 2000  Schiro Frequici  February 16, 2000	VENTOR(S)
iki YAMADA) Kerler tamada	Ichiro Furuki February 1t. 2000	/// G / Hebmary
chiro FURUKI) Ichiro Furuki February It, 2000		

**RECORDED: 03/09/2000** 

PATENT REEL: 010630 FRAME: 0854