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Docket No.: 49351(1004)

U.S. DEPARTMENT OF COMMERCE

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1. Name of conveying party(ies): KAZUNOBU TAKAHASHI,	2. Name and address of receiving party(ies):
KYOSUKE TAKA, HIDEKAZU SAKAGAMI, NOBUO MANABE	Name: SHARP KABUSHIKI KAISHA Address: 22-22 Nagaike-cho, Abeno-ku
Additional names(s) of conveying party(ies)	20.00 mg/v
3. Nature of conveyance:	
🖾 Assignment 🔲 Merger	\$0 P
☐ Security Agreement ☐ Change of Name	City: Osaka State/Prov.:
☐ Other	Country: Japan ZIP:
Execution Date: September 24, 1999	Additional name(s) & address(es) ☐ Yes ☒ No
Application number(s) or registration numbers(s): If this document is being filed together with a new application.	n, the execution date of the application is: September 24, 1999
Patent Application No. Filing date 99.428015 1/03/1999 PALLEN 00000047 09428015 3 FC:581 /40.00 0P)	B. Patent No.(s)
Additional numbers	Yes 🖾 No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: David G. Conlin	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 27026	Enclosed - Any excess or insufficiency should be
Address: Dike, Bronstein, Roberts & Cushman, LLP	credited or debited to deposit account
130 Water Street	Authorized to be charged to deposit account
D. A. MA	8. Deposit account number:
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David G. Conlin	October 27, 1999
Name of Person Signing	Signature Date

PATENT REEL: 010355 FRAME: 0230

ASSIGNMENT

The organization

We Kazunobu TAKAHASHI of Nara-shi, Na	ra, Japan;
Kyosuke TAKA of Nara-shi, Nara, Japan;	
Hidekazu SAKAGAMI of Sakurai-shi, Nara,	Japan and
Nobuo MANABE of Yamatokoriyama-shi, Nara	, Japan
for good and valuable consideration from SHARP KAB , a Japanese	
having its principal place of business in 22-22, Nagail hereinafter called the Assignee, receipt of which is here sell, assign and transfer unto the Assignee, its success right, title and interest in, to and under an application united States Serial No. * signed by us for Improvements in IMAGE FORMING APPARATUS	ke-cho.Abeno-ku.Osaka-shi, Osaka, reby acknowledged, do hereby Japan sors and assigns, the entire
including all priority rights ensuing therefrom, and the therein set forth and described, and any and all Letters and of countries foreign thereto which may be granted the with the right to apply for such Letters Patent.	s Patent of the United States
And for the above consideration we agree promptly its successors or assigns, to execute and deliver without power of attorney, assignment, application, whether origon reissue, or other papers which may be necessary or defended assignee, its successors and assigns, the inventions are application and all patent rights therein, in the Unite foreign thereto.	at further compensation any ginal, divisional, continuation esirable fully to secure to the day of them described in said ed States and in any country
we, Kazunobu TAKAHASHI, Kyos IN WITNESS WHEREOF, XX, Hidekazu SAKAGAMI and Nol	uke TAKA our
XXXX and XXXX this 24th day of September	_, 19 <u>99</u> , I,
hands seals , hereunto set my hand and seal 19 , and I, , he	this day of ereunto set my hand and seal
this day of , 19 .	secured sec my rank and sear
Kagundu Takakashi	Nohro Manabe
Kysiika laka	
Idide kazu Sakagami	
County ofss.	
Before me thisday of, who is to me personally	19, personally appeared known, and acknowledged
the foregoing instrument of assignment to be [her] his t	free act and deed.
_	Notary Public
County ofss.	
Before me thisday of, who is to me personally	19, personally appeared known, and acknowledged
the foregoing instrument of assignment to be [her] his	free act and deed.
	Notary Public
Commonwealth [State] of	
Before me this, who is to me personally I	19_, personally appeared known, and acknowledged
the foregoing instrument of assignment to be [her] his	free act and deed.
	Notary Public

*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

RECORDED: 10/27/1999

PATENT REEL: 010355 FRAME: 0231