	- 19-2002 U.S. Department of Comme
I-31-92	Patent and Trademark Of
APR 1.5 mm	Our Ref.: 790-
Box Assignment, Washington 20231	
To the Honorable Commissioner of Patents and Trademarks: Pla 1. Name of conveying party(ies):	ease record the attached original documents or copy thereof. 2. Name and address of receiving party(ies):
HISASHI KUNIHIRO	2. Name and address of receiving party(ies).
HIROSHI TANISAWA	Name: SHARP KABUSHIKI KAISHA
TAKESHI WAKABAYASHI	Internal Address:
HIROSHI KAWAHITO	Street Address: 22-22, Nagaike-cho, Abeno-ku
FUMITO MIZOGUCHI	
HIROSHI KUBOTA	City: Osaka
	State/Country: Japan
Additional name/s of conveying party/ies attached?	Zip:
3. Nature of conveyance:	
Assignment I Merger	Additional name/s & address/es attached? 🗌 Yes 🛛 No
Security Assignment Change of Name	
Execution Date: March 25, 2002	
4. Application number(s) or patent number(s):	
4. Application number(s) of patent number(s). If this document is being filed together with a new application, the execut	tion date of the application is:
A. Patent Application No(s).	B. Patent No(s).
(1) 29/150,038	(1)
(2)	$ \begin{array}{c} (2)\\ (3) \end{array} $
(2) (3) Additional numbers a	(3) attached Yes X No
(3)	(3)
(3) Additional numbers a	(3) attached Yes No 6. Total number of applications & patents involved: 1
 (3) Additional numbers a 5. Name and address of party to whom correspondence concerning document should be mailed: 	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00
(3) Additional numbers :5. Name and address of party to whom correspondence	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 ⊠ Enclosed \$ 40.00
 (3) Additional numbers : 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Richard G. Besha 	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 ⊠ Enclosed □ Authorized to be charged to deposit account #14-1140
 (3) Additional numbers a 5. Name and address of party to whom correspondence concerning document should be mailed: 	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 ⊠ Enclosed □ Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any
(3) Additional numbers : 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Richard G. Besha Internal Address: Street Address: Nixon & Vanderhye P.C.	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 ⊠ Enclosed Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment, in the fee(s) filed, or
(3) Additional numbers a 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Richard G. Besha Internal Address: Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 ⊠ Enclosed 4uthorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith
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(3) Additional numbers is 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Richard G. Besha Internal Address: Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8 th Floor City: Arlington State: VA Zip: 22201	(3) attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 ⊠ Enclosed Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this
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REEL: 012796 FRAME: 0704

ASSIGNMENT FOR PATENT APPLICATION (U.S. Rights Only)

WHEREAS, HISASHI KUNIHIRO, HIROSHI TANISAWA, TAKESHI WAKABAYASHI, HIROSHI KAWAHITO, FUMITO MIZOGUCHI, HIROSHI KUBOTA, (hereinafter ASSIGNORS) of 3535-153, Kobushigaoka, Hayama, Tsugemura, Yamabe-gun, Nara-ken, Japan; 15-21-406, Tomio-kita-3, Nara-shi, Nara-ken, Japan; 6-2-1, Kizugawadai, Kizu-cho, Soraku-gun, Kyoto-fu, Japan; 1-3-23, Hattoridai, Kanmaki-cho, Kitakatsuragi-gun, Nara-ken, Japan; 763-1, Minosho-cho, Yamatokoriyama-shi, Nara-ken, Japan; 2-14-16, Momodani, Ikuno-ku, Osaka-shi, Osaka-fu, Japan, respectively, have made an invention entitled DEVELOPING UNIT FOR AN IMAGE FORMING APPARATUS for which a so-entitled application for Letters Patent, was filed in the United States Patent and Trademark Office on November 1, 2001;

WHEREAS, SHARP KABUSHIKI KAISHA (hereinafter ASSIGNEE), a corporation of the Country of Japan, having an office and place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America as defined in

> 572921 PATENT REEL: 012796 FRAME: 0705

35 U.S.C. § 100, in and to the invention as described in the aforesaid application and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, and the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNORS hereby agree to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

AGREED and executed as noted below:

	<u>March 25, 2002</u> Date	HIS	ASHI KUNIHIRO HISASHI KUNIHIRO
Witnesse Name:	ed by: K. Takahashi	Date:	April 1, 2002
Name:	Alto	Date:	April 1, 2002

572921

PATENT REEL: 012796 FRAME: 0706

March 25, 2002	HIROSHI TANISAWA
Date	HIROSHI TANISAWA

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Witnesse	ed by:	
Name:	K. Takahashi	Date:April 1, 2002
Name:		Date: April 1 2002
	March 25, 2002	TAKESHI WARABAYASHI
	Date	TAKESHI WAKABAYASHI
Witness	ed by:	
	K. Takahashi	Date: April 1, 2002
Name:	- Adres	Date: April 1, 2002
		HIRUSHL KAWAHITU
	March 25, 2002 Date	HIROSHI KAWAHITO
Witness	ed by:	
Name:	K. Takahashi	Date: <u>April 1, 2002</u>
Name:	_ objec	Date: <u>April 1, 2002</u>
	March 25 2002 Date	Fumita nizoguchi FUMITO MIZOGUCHI
	Date	FUMITO MIZOCOUL
Witness		
Name:	K. Takahashi	Date: <u>April 1, 2002</u> Date: <u>April 1, 2002</u>
Name:	Achi	_ Date:April 1, 2002

March 25, 2002	Hiroghi kubota	
Date	HIROSHI KUBOTA	_

Witnessed by:

Name: K	. Tahahashi	Date:	April 1, 2002	
Name:	Afric	Date:	April 1, 2002	