Atty. Docket No.: 1152-233P Page 1 of 2

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
. Name of conveying party(ies): NOUE, Atsushi; TAKAYA, Toshihiko; YAMANAKA,	2. Name and address of receiving party(ies) Name: SHARP KABUSHIKI KAISHA	
Γakayuki; TATSUMI, Hiroshi; SAKAI, Takashi;	Internal Address: Street Address: 22-22, Nagaike-cho, Abeno-ku	
Additional name(s) of conveying party(ies) attached? Yes No Noture of conveyance:	City: Osaka State: ZIP: Country: Japan Postal Code:	
	Additional name(s) & address(es) attached? \(\subseteq \text{ Yes} \subseteq	
☐ Security Agreement ☐ Change of Name ☐ Other:		
Execution Date: April 28, 1999 4. Application number(s) or patent number(s):	69/313,259	
If this document is being filed together with a new application,	the execution date of the application is: April 28, 1999	
	B. Patent No.(s).	
A. Patent Application No(s). New Additional numbers at	B. Patent No.(s).	
A. Patent Application No(s). New Additional numbers at	B. Patent No.(s).	
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	B. Patent No.(s). ttached? Yes No 6. Total No. of applications/patents involved: One (1)	
A. Patent Application No(s). New Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747	B. Patent No.(s). ttached? Yes No 6. Total No. of applications/patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed Authorized to be charged to deposit account	
A. Patent Application No(s). New Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s). ttached? Yes No 6. Total No. of applications/patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed	

Joseph A. Kolasch, #22,463

•

OP FC: 581 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. Signature

Total number of pages including cover sheet, attachments, and document: Four (4)

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, DC 20231

JAK/sas

Attachment to RECORDATION FORM COVER SHEET Continuation of Box 1--Name of conveying party(ies): NAKANO, Nobuhiko Continuation of Box 2--Name and address of receiving party(ies): Continuation of Box 4--Application number(s) or patent number(s):

PATENT REEL: 009985 FRAME: 0437

BIRCH, STEWART, KOLASCH & BIRCH, LLP United States Patent Rights, or United States plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

1152-233P

ASSIGNMENT

	Application No. <u>New</u>	Filed May 18, 1999
nsert Name(s) of Inventor(s)	→ WHEREAS, Atsushi INOUE of Ikoma	ı-gun, Nara, Japan;
or inventor(s)	Toshihiko TAKAYA of Nara-shi, Nara	a, Japan; Takayuki YAMANAKA
	of Tenri-shi, Nara, Japan; Hirosh	ni TATSUMI of Shiki-gun,
	Nara, Japan; Takashi SAKAI of Kit	akatsuragi-gun, Nara, Japan
	and Nobuhiko NAKANO of Nara-shi,	Nara, Japan
r retal	(hereinafter designated as the undersigned) has (have) invent	ed certain new and useful improvements in
Insert Title of Invention	AN IMAGE FORMING APPARATUS	
	for which an application for Letters Patent of the United State	es of America has been executed by the undersigned
Insert Date of Signing of Application	→ onApril 28, 1999	; and
Insert Name of Assignee	→ WHEREAS, SHARP KABUSHIKI KAISH	· IA
Insert Address of Assignee	→ of 22-22, Nagaike-cho, Abeno-ku,	Osaka-shi, Osaka, Japan
CHECK BOX IF APPROPRIATE	its heirs, successors, legal representatives and assigns (here acquiring the entire right, title and interest in and to said i may be granted therefor in the United States of America a X in any and all foreign countries.	invention and in and to any Letters Patent(s) that
	NOW, THEREFORE, in consideration of the sum of paid, the receipt of which is hereby acknowledged, and other has (have) sold, assigned and transferred, and by these Assignee the full and exclusive right to the said invention dependencies and possessions and the entire right, title at which may be granted therefor in the United States of Ame and if the box above is designated, in any and all foreign of	r good and valuable consideration, the undersigned presents does sell, assign and transfer unto said in the United States of America, its territorics, and interest in and to any and all Letters Patent(s) erica, its territories, dependencies and possessions,

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for

which the same may be granted.

PATENT REEL: 009985 FRAME: 0438 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 or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date April 28, 1999,	Name of Inventor	atsushi Inoul
		(Signature) Acadam incom
Date April 28, 1999,	Name of Inventor	Suchetier Jakaga
		(signature) TOSNINIKO TAKAYA
Date April 28, 1999,	Name of Inventor	Takayuki Yamanaka
		(signature) Takayuki YAMANAKA
Date April 28, 1999,	Name of Inventor	Hiroshi Istsumi
		(signature) Hiroshi TATSUMI
Date April 28, 1999,	Name of Inventor	Takaski šakai
		(signature) Takashi SAKAI
Date <u>April 28, 1999</u> ,	Name of Inventor	Nobuhika Nakasa
		(signature) Nobuhiko NAKANO
Date,	Name of Inventor	
·		(signature)
Date,	Name of Inventor	
		(signature)