FORM PTO-1585 (REV 6-93) 12-06-1999 OMB No. 0851-011 (***)	V FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Docket No. SAIKP0106 U.S.
	arks: Please record the attached original documents or copy thereof.
1. Name of convey, partytes): Yoshikazu Harada; Toshio Yamanaka; Ayumu Oda; Norio Tomita; Norio Tomita; Additional name(s) of conveying partyties) attached? 1. Name of conveying Norio Takayuki Ohno Hideaki Radosaki	2. Name and address of receiving party(ies): Name: SHARP KABUSHIKI KAISHA Internal Address:
3. Nature of conveyance:	Street Address: 22-22, Nagaike-cho,
[X] Assignment [] Merger	Abeno-ku,
[] Security Agreement [] Change of Name	City: Osaka
I Other	State/Country: Japan ZIP: 545-8522
Execution Date: November 4, 1999	Additional name(s) & address(es) attached? [] Yes [X] No
5. Name and address of party to whom	attached? [] Yee [X] No 6. Total number of applications and patents involved: [1]
permapendence acceptation document should be mailed: Prints Name: Neil A. DuChez	7. Total fee (37 CFR 3.41)
Internal Address: RENNER, OTTO, BOISSELLE & SKLAR, P.L.C.	[X] Enclosed
C GRUIN, F.L.L.	[] Authorized to be charged to deposit account
Street Address: 1621 Buclid Avenue	
Nineteenth Floor	8. Deposit account number:
City: Cleveland	
State: Ohio ZIP: 44115	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
9. Statement and signature. 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.	
Neil A. DuChez Name of Person Signing	Nov 16, 1999 Signature Date
Reg. No	

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

· !!

PATENT

REEL: 010456 FRAME: 0717

472 137. 272 - 1 1 1 100/

ASSIGNMENT

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

(1)Yoshikazu HARADA (2)Toshio YAMANAKA (4)Norio TOMITA

(7)Takayuki OHNO

(3)Ayumu ODA

(5) Kyosuke TAKA (6) Nobuo MANABE (8)H

(8) Hideaki KADOWAKI

has invented and owns a certain invention entitled:

Image Forming Apparatus

for which application for Letters Patent of the United States was executed on the date indicated below, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Signed: Date:

(Hideaki KADOWAKI) /

(Yoshikazu HARADA) Yoshikazu /Yanoda

November 4, 1999

(Toshio YAMANAKA) 7, Januarian T.Y.

November 4, 1999

(Ayumu ODA) (Lysmu Cila November 4. 1999

(Norio TOMITA) November 4. 1999

(Kyosuke TAKA) Kyosuke Toko, November 4, 1999

(Nobuo MANABE) Nobus Manabe November 4. 1999

(Takayuki (HNO) Takayaki Oline November 4. 1999

RECORDED: 11/16/1999 REEL: 010466 FRAME: 0718

November 4. plane