11-15-19		lo.: 49391(1004)
FORM PTO-1595 (Modified)	SHEET	U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademar	ks: Please record the attached or	iginal documents or copy thereof.
1. Name of conveying party(ies): KYOSUKE TAKA, KAZUNOBU TAKAHASHI, HIDEKAZU SAKAGAMI, NOBUO MANABE, YOSHIKAZU HARADA, SHOICHI FUKUTOME	2. Name and address of receiving party(ies): Name: SHARP KABUSHIKI KAISHA Address: 22-22 Nagaike-cho, Abeno-ku	
Additional names(s) of conveying party(ies)		10/10/
3. Nature of conveyance:		
🛛 Assignment 🗌 Merger	·····	
Security Agreement Change of Name	City: Osaka	State/Prov.:
□ Other	Country: Japan	ZIP:
Execution Date: October 25, 1999	Additional name(s) & address(es)	🗆 Yes 🛛 No
Additional number	ers 🔲 Yes 🖾 No	
 Name and address of party to whom correspondence concerning document should be mailed: 		
-	6. Total number of application	ons and patents involved:
Name: David G. Conlin	6. Total number of application7. Total fee (37 CFR 3.41):	
Registration No. 27026	7. Total fee (37 CFR 3.41):	\$ 40.00 s or insufficiency should be
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman, LLP	7. Total fee (37 CFR 3.41): Enclosed - Any exces credited or debited to	\$ <u>40.00</u> s or insufficiency should be deposit account
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman, LLP 11/12/1999 DFL0YD 00000020 09431478 130 Water Street	7. Total fee (37 CFR 3.41): Enclosed - Any exces credited or debited to	\$ 40.00 s or insufficiency should be
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman, LLP	7. Total fee (37 CFR 3.41): Enclosed - Any exces credited or debited to	\$ <u>40.00</u> s or insufficiency should be deposit account
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman, LLP 11/12/1999 00000020 09431478 130 Water Street 40.00 05 FC:581 40.00 City: Boston State/Prov.: MA Country: USA	 7. Total fee (37 CFR 3.41): Enclosed - Any exces credited or debited to Authorized to be char 8. Deposit account number: 	s or insufficiency should be deposit account
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman, LLP 11/12/1999 00000020 09431478 130 Water Street 40.00 05 FC:581 40.00 City: Boston State/Prov.: MA Country: USA	 7. Total fee (37 CFR 3.41): Enclosed - Any exces credited or debited to Authorized to be char 8. Deposit account number: 04-1105 	\$ 40.00 s or insufficiency should be deposit account ged to deposit account
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman, LLP 11/12/1999 DFL0Y9 00000020 09431478 130 Water Street 40.00 0P City: Boston State/Prov.: MA Country: USA ZIP: 02109 Do N 9. Statement and signature. To the best of my knowledge and belief, the foregoing infor of the original document. David G. Conlin Mame of Person Signing	 7. Total fee (37 CFR 3.41): Enclosed - Any exces credited or debited to Authorized to be char 8. Deposit account number: 04-1105 	\$ <u>40.00</u> s or insufficiency should be deposit account ged to deposit account

PATENT REEL: 010370 FRAME: 0861

We <u>Ky</u> suke TAKA of Nara-shi, Nara, Japan;	
Kazunobu TAKAHASHI of Nara-shi, Nara, Japan;	
Hidekazu SAKAGAMI of Sakurai-shi, Nara, Japan;	
Nobuo MANABE of Yamatokoriyama-shi, Nara, Japan;	
Yoshikazu HARADA of Nara-shi, Nara, Japan and Shoichi FUKUTOME of Yamatokoriyama-shi, Nara, Japan	
for good and valuable consideration from <u>SHARP KABUSHIKI KAISHA</u> , <u>a Japanese</u> corporation,	
having its principal place of business in <u>22-22</u> , <u>Nagaike-cho</u> , <u>Abeno-ku</u> , <u>Osaka-shi</u> , C)saka, Japan
including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.	
And for the above consideration we agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto. Kyosuke TAKA Nobuo MANABE	
We Kazunobu TAKAHASHI Yoshikazu HARADA	
IN WITNESS WHEREOF, X, Hidekazu SAKAGAMI Shoichi FUKUTOME, hereunto set my hand and seal this 25th day of October, 1999 I,	
, hereunto set my hand and seal this day of 19 , and I,, hereunto set my hand and seal this, hereunto set my hand and seal this	
<u>Kypsuke Toka</u> <u>Kazundre Takalashi</u> Varada Varada Shoichi Fukutome	
Kanundre Takahashi Joshikagu Harada	
jørdekami Sakagami Shoichi Fukutome	
Commonwealth [State] ofss.	
Before me thisday of, 19_, personally appeared , who is to me personally known, and acknowledged the foregoing instrument of assignment to be [her] his free act and deed.	
Notary Public	
Commonwealth [State] ofss.	
Before me thisday of, 19_, personally appeared, who is to me personally known, and acknowledged the foregoing instrument of assignment to be [her] his free act and deed.	
Notary Public	
Commonwealth [State] of	
Before me thisday of, 19_, personally appeared, who is to me personally 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. PATENT	

RECORDED: 11/01/1999

PATENT REEL: 010370 FRAME: 0862