Docket No.: 48945(904) 02-23-1999 FORM PTO-1595 (Modified) **R SHEET** U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Patent and Trademark Office ΙY Copyright 1996-97 LegalStar P08A/REV02 100971170 Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): ۲*۰*3 - ۶۹ SHIROU WAKAHARA Name: Sharp Kabushiki Kaisha Address: 22-22 Nagaike-cho Abeno-ku ☐ Yes 🏻 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Merger City: Osaka 545-8522 ☐ Security Agreement ☐ Change of Name State/Prov.: □ Other Country: Japan ____ ZIP: Execution Date: January 26, 1999 Additional name(s) & address(es) ☐ Yes ☑ No 717676 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: January 26, 1999 2/11/1999 AHAYES 00000003 09249926 Patent Application No. , Filing date B. Patent No.(s) 3 FC:581 Additional numbers ☐ Yes 🏻 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: David G. Conlin 7. Total fee (37 CFR 3.41):....\$ 40.00 \\ 6 \in \] Registration No. 27026 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Dike, Bronstein, Roberts & Cushman, LLP ☐ Authorized to be charged to deposit account 130 Water Street 8. Deposit account number: City: Boston _____ State/Prov.: MA 04-1105 _____ ZIP: 02109 Country: USA 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. David G. Conlin February 3, 1999 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and

REEL: 9770 FRAME: 0013

ASSIGNMENT

WeShirou WAKAHARA	
and	
for good and valuable consideration from SHARP KAP , a Japanes	
having its principal place of business in Osaka, hereinafter called the Assignee, receipt of which is sell, assign and transfer unto the Assignee, its succeipt, title and interest in, to and under an application of the States Serial No. CHARGE SUPPLY DEVICE AND IMPROVEMENTS IN CHAR	Japan hereby acknowledged, do hereby essors and assigns, the entire ation for Letters Patent of the
including all priority rights ensuing therefrom, and therein set forth and described, and any and all lett and of countries foreign thereto which may be granted with the right to apply for such Letters Patent.	ers Patent of the United States
And for the above consideration we agree prompits successors or assigns, to execute and deliver wit power of attorney, assignment, application, whether correissue, or other papers which may be necessary or Assignee, its successors and assigns, the inventions application and all patent rights therein, in the Unforeign thereto.	hout further compensation any original, divisional, continuation desirable fully to secure to the and any of them described in said
The undersigned hereby grant(s) the law firm Cushman the power to insert on this Assignmen which may be necessary or desirable in order to U.S. Patent and Trademark Office for recordation	t any further identification comply with the rules of the
IN WITNESS WHEREOF, I, Shirou WAKAHARA hand and seal this 26th day of January	, hereunto set my
hereunto set my hand and se	al this day of
hereunto set my hand and se	al this day of
, hereunto set my hand and se	Shiron Mahahara
hereunto set my hand and se	al this day of hereunto set my hand and seal
hereunto set my hand and se	al this day of hereunto set my hand and seal
hereunto set my hand and se	al this day of hereunto set my hand and seal
Commonwealth [State] of	
commonwealth [State] ofss. Before me this day ofss.	
Commonwealth [State] of	
Commonwealth [State] of	
Commonwealth [State] of	Al this day of hereunto set my hand and seal Shirou Makafara
Commonwealth [State] of	Al this day of hereunto set my hand and seal Shirou Makafara

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

RECORDED: 02/03/1999

PATENT REEL: 9770 FRAME: 0014