Docket No.: 70904/56651 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE 12-12-2001 (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08A/REV03 Tab settings -101914040 To the Honorable Commissioner of Pater. ttached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Satoru KISHIMOTO Name: SHARP KABUSHIKI KAISHA Kazuhiko TSUDA Katsuya MIZUKATA Address: 22-22 Nagaike-cho Abeno-ku Kenichi KATOH ☐ Yes 🏻 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ■ Assignment Merger City: Osaka ☐ Security Agreement ☐ Change of Name _____ State/Prov.: Country: JAPAN ZIP: 545-8522 ☐ Other Execution Date: October 18, 2001 Additional name(s) & address(es) ☐ Yes ⊠ No Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: October 18, 2001 B. Patent No.(s) Patent Application No. Filing date ☐ Yes ☐ No Additional numbers 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):....\$ 40.00 Name: Timothy Carter Pledger ☑ Enclosed - Any excess or insufficiency should be 29,424 Registration No. credited or debited to deposit account Address: Dike, Bronstein, Roberts & Cushman ☐ Authorized to be charged to deposit account Intellectual Property Practice Group, Edwards & Angell 8. Deposit account number: P.O. Box 9169 04-1105 State/Prov.: MA City: Boston (Attach duplicate copy of this page if paying by deposit accint) ZIP: 02209 Country: USA DO NOT USE THIS SPACE To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy 9. Statement and signature. of the original document. November 2, 2001 Timothy Carter Pledger Reg. No. 29,424 Date Signature Name of Person Signing Total number of pages including cover sheet, attachments, and Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments **PATENT** Washington, D.C. 20231

REEL: 012353 FRAME: 0261

ASSIGNMENT

	,
Kazuhiko TSUDA	,
and Katsuya MIZUKATA for good and valuable consideration from SHARP KABUSH	
Tananoco	corporation.
having its principal place of business in Osaka Japa	in .
hereinafter called the Assignee, receipt of which is h	areby acknowledged, do hereby
sell, assign and transfer unto the Assignee, its succe right, title and interest in, to and under an applicat	sors and assigns, the entire
United States Serial No	* signed by us
United States Serial No. filed on for Improvements in PORTABLE INFORMATION APPARATO	S
including all priority rights ensuing therefrom, and t therein set forth and described, and any and all lette and of countries foreign thereto which may be granted with the right to apply for such letters Patent.	rs Patent of the United States
And for the above consideration we agree prompt its successors or assigns, to execute and deliver with power of attorney, assignment, application, whether or or reissue, or other papers which may be necessary or of Assignee, its successors and assigns, the inventions as application and all patent rights therein, in the Uniforeign thereto.	out further compensation any iginal, divisional, continuation desirable fully to secure to the add any of them described in said
The undersigned hereby grant(s) the law firm of	of Dika Bronstain Doborts s
Cushman 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	of this document.
IN WITNESS WHERECF, I, Satoru KISHIMOTO	, hereunto set my
hand and seal this 18th day of October	,2001 , I, Kazuhiko TSUDA
, hereunto set my hand and sea 2001 and I, Katsuya MIZUKATA , 1	remember and set my hand and seal
	REFERENCE SEE IN TRACE OUR SEEL
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this 18th day of October , 2001.	-
this 18th day of October , 2001.	-
this 18th day of October , 2001.	-
this 18th day of October , 2001.	-
this 18th day of October , 2001.	Satoru Kishimoto Kazuhiko Isuda Katanya Maikata
this 18th day of October , 2001.	-
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*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

PATENT REEL: 012353 FRAME: 0262

ASSIGNMENT

We Kenichi KATOH	
ard	· · · · · · · · · · · · · · · · · · ·
for good and valuable consideration from SHARP KABUSI	HIKI KAISHA
having its principal place of business in Osaka Jan	corporation,
hereinafter called the Assignee, receipt of which is the sell, assign and transfer unto the Assignee, its successible, title and interest in, to and under an applicate United States Serial No. for Improvements in PORTABLE INFORMATION APPARAMENTAL PROPERTY OF THE PROPER	ereby acknowledged, do hereby essors and assigns, the entire tion for Letters Patent of the
including all priority rights ensuing therefrom, and therein set forth and described, and any and all Letter and of countries foreign thereto which may be granted with the right to apply for such Letters Patent.	rs Patent of the United States
And for the above consideration we agree prompt its successors or assigns, to execute and deliver with power of attorney, assignment, application, whether or or reissue, or other papers which may be necessary or Assignee, its successors and assigns, the inventions a application and all patent rights therein, in the Uniforeign thereto.	out further compensation any riginal, 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 Assignment which may be necessary or desirable in order to U.S. Patent and Trademark Office for recordation	any further identification comply with the rules of the
IN WITNESS WHERECF, I, Kenichi KATOH hand and seal this 18th day of October , hereunto set my hand and sea	, 2001, I, lathis day of
, and I.	hereunto set my hand and seal
this day of ,	Kenichi Katoh
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County ofss.	
Before me this day of, who is to me personal the foregoing instrument of assignment to be [her] hi	, 19_, personally appeared Ty known, and acknowledged s free act and deed.
	Notary Public
Commonwealth [State] ofss.	
Before me this day of, who is to me personal! the foregoing instrument of assignment to be [her] hi	_, 19, personally appeared Ly known, and acknowledged is free act and deed.
	Notary Public

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RECORDED: 11/02/2001

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