DOCUMENT ID NO.: 102611867

DOCUMENT ID NO		Over Sheet U.S. DEPARTMENT OF COMMERCE	
ORM PTO-1595 Rev. 10/02) MD No. 0651-0011 (exp.	Recordation Form	Patent and Trademark Office	
MD No. 0651-0011 (exp.	. 6/30/2005) PATENTS	ONLY	
o the Monorable Commu	ssioner of Petents and Trademarks. Pleas	se record the attached original documents or copy thereof.	
. Name of conveying	oarty(les):	2. Name and address of receiving party(ies):	
, Manie of Conveying Tochibo America Infi	ormation Systems, Inc.		
Toshiba America Information Systems, Inc.		Name: <u>Kabushiki Kaisha Toshiba</u>	
		Internal Address:	
dditional name(s) of c	onveying party(ies) attached?	Street Address: 1-1, Shibaura 1-chome, Minato-ku	
🔀 No 🗖 Yes			
Nature of Conveyant	C 8:		
Assignment			
CI Security Adre	ement 🔲 Change of Name	City: Tokyo State: ZiP: 105-80.	
Coccarright gro		Country Japan	
xecution Date: 11/13	3/2003	Additional name(a)& address(es) attached? 🛛 🔀 No 📑 Yes	
Application number((s) or patent number(s):	tion, the execution date of the application is:	
If this document is t	seing med together with a new appres		
A Ratent A	pplication No.(a)	B. Patent No.(s)	
A. P. 000/11/1	Philameter (-)		
1	.0/717,332		
-	-		
	Additional numbers at	tached? 🖾 No 📋 Yes	
5. Name and address concerning document	of party to whom correspondence should be mailed:	6. Total number of applications and patents involved:	
	A CONTRACTOR OF TACKING IN TO	7. Total Fee (37 CFR 3.41)\$	
Name: Blakely, Sol	koloff, Taylor & Zafman LLP		
Internal Address:		 Enclosed Authorized to be charged to deposit account 	
Street Address:	12400 Wilshire Boulevard 7th Floor	8. Deposit Account Number:	
,,,,,,, _	7th Floor		
City: Los Angeles	State: <u>CA</u> ZIP: <u>9002</u>	5	
Ony. <u>Los Angeles</u>		(Attach duplicate copy of this page if paying by deposit account)	
		JSE THIS SPACE	
	DONOT		
	·- <u></u>		
9. Statement and sig	inature.	nd correct and any attached copy is a true copy of the original docum	
To the best of my kn	owiedge and beller, the loregoing is how a		
		_	
		$\Delta \Delta c$	
		Chi Ali	
William W. Saba	al, Rég. No. 39.018		
	of Person Signing	Signature Date	
	Total number of pages including cover	sheet, attachments, and document:	
	Mail documents to be recorde	ed with required cover sheet information to:	
	Mall Stop Assig	inment Recordation Services	
	Director of the US	S Patent and Trademark Office	
	H Alavaa	P.O. Box 1450 dria, VA 22313-1450	
	A16X211/		

Decket No. 6639P008

Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 Prove Pro-1985 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thoreof. Image: Prove Pr	10 FORM PTO-1595 //- // Recordation Fo	2611867
FORM PTO-1585	(Rev. 10/02) //- /2 • 03 Recordation Fo	
1. Name of conveying party(les): 2. Name and address of rocening party(les): Toshibs America Information Systems, Inc. 2. Name and address of rocening party(les): Additional name(s) of conveying party(les) situations? Name: Kabushibi Katsha Toshiba Imernal Address: Badgment Marger I.1., Shibaars 1-chome, Minato-ku City: Tokyo Sata/Provence: Zip: 106-8001 County: Japan Additional name(s) & address(a) attached? Ves A. Application number(s) of patent number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application number(s) of patent number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application base(s): Additional name(s) & address(a) attached? Ves No A. Application number(s): I.1., Shibaars 1-chome, Minato-ku City: Takyo A. Application number(s): I.1. D. Patent No(s) D.1/13/03 Internal Address: J.2600 I.1. D. Patent No(s) D.1/13/03 Internal Address: J.2600 <		rm Cover Sheet DEPARTMENT OF COMMERCE 8
1. Name of conveying party(les): 2. Name and address of rocening party(les): Toshibs America Information Systems, Inc. 2. Name and address of rocening party(les): Additional name(s) of conveying party(les) situations? Name: Kabushibi Katsha Toshiba Imernal Address: Badgment Marger I.1., Shibaars 1-chome, Minato-ku City: Tokyo Sata/Provence: Zip: 106-8001 County: Japan Additional name(s) & address(a) attached? Ves A. Application number(s) of patent number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application number(s) of patent number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application number(s): I.1., Shibaars 1-chome, Minato-ku City: Tokyo A. Application base(s): Additional name(s) & address(a) attached? Ves No A. Application number(s): I.1., Shibaars 1-chome, Minato-ku City: Takyo A. Application number(s): I.1. D. Patent No(s) D.1/13/03 Internal Address: J.2600 I.1. D. Patent No(s) D.1/13/03 Internal Address: J.2600 <	To the Honorable Commissioner of Patents and Trademarks. P	ease record the attached original documents or copy thereof.
Additional name(s) of conveying party(iee) attached? Kabushiki Kaisha Toshiba		
Additional name(s) of conveying partylice) strached? Internal Address:	,	Name:
Image: Street Address: Street Address: 1.1., Shibaura 1-chome, Minato-ku City: Tokyo Street Address: 1-1, Shibaura 1-chome, Minato-ku City: Tokyo State/Provence: Zip: 105-6001 Country: Japan Additional name(s) & address(es) state/hed7 Ves No 4. Application number(s) or patent number(s): Additional neme(s) & address(es) state/hed7 Ves No 4. Application number(s) or patent number(s): B. Patent No.(s) Difficult address 11/13/02 A. Parent Application No.(s) /O7/7332 B. Patent No.(s) 11/13/02 A. Parent Application No.(s) /O7/77332 B. Patent No.(s) 11/13/02 Name and address: California Zip: 90025 B. No S. Total number of application and patents involved(3) Name: Blakalv, Sokeloff, Taylor, & Zafman LLP T. Total Fee (37 CFR 3.41) \$40,00 Enclosed Internal Address: 12/100 Wilshire Boulevard, 7 th Floor 8. Deposit Account Number: 02-2666 Kiteen duplicate copy of this page if paying by deposit account B. Deposit Account Number: 02-2666 Mill monumeter of pages including cover sheet, atlachments, and docament: [3] Statement and signature. Doto N		Kabushiki Kaisha Toshiba
3. Nature of Conveyance Street Address: 3. Nature of Conveyance Street Address: 1.1, Stitbaurs 1-chome, Minato-ku City: Tokyo Street Address: Li, Stitbaurs 1-chome, Minato-ku City: Tokyo State/Provence: Zip: 106-6001 Country: Japan Additional name(s) & address(ac) attached? Ves No 4. Application number(s): B. Patent No.(s) Diff. No 5. Name and address of party to whom correspondence concerning document ishould be mailed: B. Patent No.(s) Diff. No 6. Name and address of party to whom correspondence concerning document ishould be mailed: B. Total number of applications and patents involved: Image: Street Address: Image: Street Address: Diff. Total Page: Address: Image: Street Address: Image: Street Address: Image: Street Address: Street Address: Image: Street Address: Street Address: Image: Street Address: Image: Street Address: Image: Street Address: Street Address: Street Address: Street Address: Image: Street Address: Image: Street Address: Image: Street Address: Street Address: Image: Street Address: Im	Additional name(s) of conveying party(ies) attached?	Internal Address:
3. Nature of Conveyance Street Address: 3. Nature of Conveyance Street Address: 3. Nature of Conveyance Change of Name 3. Statum Provence: Zip: 106-6001 Colter: Country Japan Additional name(s) & address(ac) attached? Ves Application number(s) or patent number(s): Additional name(s) & address(ac) attached? Ves A. Parent Application No.(s) /O7/173322 B. Patent No.(s) Additional number of applications and patients involved:[] Total number of applications and patients involved:[] Name: Elakely, Sokoloff, Taylor & Zafman LLP Total number of applications and patients involved:[] Internal Address: 12400 William V. Sohaal, Reg. No. 39,018 Total number of application cores for the application of the application for the application of the adjunt William W. Sohaal, Reg. No. 39,018 Streat Address: November 18, 2003 Name of Parson Signing <t< td=""><td>TYes 🛛 No</td><td></td></t<>	TYes 🛛 No	
Assignment ☐ Marger ☐ Scaurity Agreement ☐ Change of Name ☐ Other: ☐ Country: Japan Decoution Date(): ☐ Additional name(a) & address(es) attached? ☐ Yes ☐ No 4. Application number(a) or patent number(s): ☐ It is being filed logether with a new application, the execution date of the application is: 11/13/03 4. Application number(a) or patent number(s): ☐ Detert No.(s) ☐ Detert No.(s) A. Parent Application No.(a) Additional numbers attached? ☐ Ves ☑ No 5. Name and address of party to whom correspondence concerning document should be mailed: 0. Total number of applicationes and patents involved[] Name: Blakely, Sokoloff, Taylor, & Zafman LLP 7. Total Fee (37 CFR 3.41) \$40.00 ☑ Enclosed Internal Address: 12400 Witshire Boulevard, 7th Pitoor 0. Total number: 02-2666 (b: Los Angeles State: California Zip: 90025 02-2666 (Attach duplicate copy of this page if paying by deposit account) 0 DO NOT USE THIS SPACE 0 Statement and signature. 0 Dotto 02-2666 (Attach duplicate copy of this page if paying by deposit account) Dotto Dotto 0. Additional cover sheet, attached copy is a true copy of the original cover sheet, attachements, and do		Street Address:
Staurity Agreement Change of Name Cip: Tokyo Stau/Provence: Zip: 106-8001 Other: Country: Japan Additional name(e) & address(se) attached? Yes No 4. Application number(e) or patent number(e): If this document is being filed together with a new application, the execution date of the application is: 11/13/03 If this document is being filed together with a new application, the execution date of the application is: 11/13/03 A. Partent Application No.(s) //O7/7332 B. Patent No.(s) 11/13/03 A. Partent Application No.(s) //O7/7332 B. Patent No.(s) 11/13/03 5. Name and address of party to whom correspondence concerning document should be mailed: B. Total number of application any structure Total number of application any structure Total number of application any structure Name: Blackety, Sokoloff, Taylor & Zatman LLP 7. Total Fee (37 CFR 3.41) \$40.00 Total number: Do Not USE THIS SPACE Structures: 1200 Witishine Boulevard, 7 th Pfloor 7. Total Fee (37 CFR 3.41) \$40.00 Do Not USE THIS SPACE Do Not USE THIS SPACE 9. Statement and signature. Do Not USE THIS SPACE November 18, 2003 Date 9. Statement and signature. Statal provenest and any attached coopy is a true copy of the original documen	-	1-1, Shibaura 1-chome, Minato-ku
Country: Japan Additional name(e) & address(e) attached? Yes Yes No 4. Application number(s) or patient number(s): 11/13/03 It this document is being filed together with a new application, the execution date of the application is: 11/13/03 A. Patient Application No.(s) ////////////////////////////////////		
Execution Date(s): Additional name(s) & additesc(sc) attached? ☐ Yes No 4. Application number(s) or patent number(s): 11/13/03 11/13/03 If this document is being filled together with a new opplication, the execution date of the application is: 11/13/03 A. Parent Application No.(s) /O7/7332 B. Patent No.(s) Additional numbers attached? ☐ Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: B. Total number of applications and patents involved[] Name: Elakely, Sokoloff, Taylor, & Zafman LLP 7. Total Fee (37 CFR 3.41) \$40.00 Internal Address: 2.22666 Street Address: 12/200 Witshire Boulevard, 7 th Pfoor Cky: Los Angeles State: California Zip: 90025 B. Obodt Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account) Do NOT USE THIS SPACE 8. Statement and signsture. Total number of pages including cover sheet, attachments, and document: [3]. William W. Schaal, Reg. No. 39.018 Mail documents to be recorded with regulated cover sheet information to: Mail document of bases including cover sheet information to: Mail documents		Country: Japan
If this document is being filed together with a new application, the execution date of the application is: A. Parent Application No.(s) /07/7332 Additional numbers attached? B. Patent No.(s) C. Name and address of party to whom correspondence concerning document should be mailed: 7. Total number of applications and patents involved.[] 7. Total numbers 8. Statement and signature. 7. Total Fee (37 CFR 3.41) \$40.00 8. Statement and signature. 7. Total Fee (37 CFR 3.41) \$40.00 8. Statement and signature. 7. Total Fee (37 CFR 3.41) \$40.00 9. OD NOT USE THIS SPACE 9. Statement and signature. 7. Total page including cover sheet attached copy is a true copy of the original document William W. Schaal, Rev. No. 39.018 William W. Schaal, Rev. No	- /	Additional name(s) & address(as) attached? 🔲 Yes 🔀 No
A. Patent Application No.(s) /07/7332 B. Patent No.(s) Additional numbers attached? Ves §1 No 6. Name and address of party to whom correspondence concerning document should be mailed: B. Total number of applications and patents involved; Name: Blakely, Sokoloff, Taylor, & Zafman LLP B. Total number of applications and patents involved; Internal Address: 1/200 Wilshire Bouleyard, 7th Floor Recipe and be charged to deposit account City: Los Angeles State: California Zip: 90025 B. Deposit Account Number: 0: Do NOT USE THIS SPACE 9: Statement and signature. To the bast of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schasil, Reg. No. 39,018 Stipitaure November 18, 2003 William W. Schasil, Reg. No. 39,018 Stipitaure November 18, 2003 William W. Schasil, Reg. No. 39,018 Stipitaure November 18, 2003 William W. Schasil, Reg. No. 39,018 Stipitaure November 18, 2003 Will documents to be recorded with regulated cover sheet Information to: Mail documents Of pages including cover sheet, attachments, and document: 3 Will documents to be recorde	4. Application number(s) or patent number(s): :	<u>11/13/03</u>
Additional numbers attached? Yes Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: 6. Total number of applications and patents involved: Steet Address: 2400 Wilshire Boulevard, 7th Floor City: 7. Total Fee (37 CFR 3.41) \$40.00 Set Address: Steet Address: 2400 Wilshire Boulevard, 7th Floor City: 0. Deposit Account Number: 0 Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account) 00 NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document Statements, and document: William W. Schasj, Reg. No. 39,018 Name of Person Signing Statements, and document: Date William W. Schasj, Reg. No. 39,018 Nail Gorp Assignment Recordation Services Date Date Director of the US Patent and Trademark Office PO Box 1450 Atry Docket No. 006639,P008 PO Box 1450 Services Multifit 00000061 10717322 Atry Docket No. 006639,P008 Atry Docket No. 006639,P008		
5. Name and address of party to whom correspondence concerning document should be mailed: Total number of applications and patients involved.[] Total number of applications and patients involved.[] Total number of applications and patients involved.[] Name: Blakaly, Sokoloff, Taylor, & Zafman LLP Internal Address: Street Address: 12400 Wilshire Bouleyard, 7 th Floor City: Los Angeles State: California Zip: 90025 Beposit Account Number:		
Internal Address:	5. Name and address of party to whom correspondence	
Internal Address:		7 Total Fee (37 CER 3.41) \$40.00
Street Address: 12400 Wilshire Bouleyard, 7th Floor City: Los Angeles State: California Zip: 90025 8. Deposit Account Number: 02-2666 (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 believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schaal, Reg. No. 39,018 November 18, 2003 William W. Schaal, Reg. No. 39,018 Stipature William W. Schaal, Reg. No. 39,018 Stipature Oate Total number of pages including cover sheet, attachments, and document: [3]. Wail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Attry Docket No. 006639.P008 HWUN61 00000051	···	
City: Los Angeles State: California Zip: 90025 8. Deposit Account Number: 02-2666 (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 believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schasl. Reg. No. 39.018 November 18, 2003 Total number of pages including cover sheet, attachments, and document: 3. Mail documents to be recorded with regulard cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Tredemark Office PO Box 1450 Atry Docket No. Multification 00000051 10717332		
02-2666 (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 believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schaal, Reg. No. 39.018 Name of Person Signing Total number of pages including cover sheet, attachments, and document: November 18, 2003 Date Mail documents to be recorded with required cover sheet information to: Mail documents to be recorded with required cover sheet information to: Director of the US Patient and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atry Docket No. 006639,P008		
DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schasl. Reg. No. 39.018 Name of Person Signing November 18, 2003 Stghature Date Date Total number of pages including cover sheet, attachments, and document: 3. Date Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atty Docket No. 006639.P008 HVIDH61 00090051 10717332	Chy. Constanting Const	02-2666
9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schasl. Reg. No. 39.018 Name of Person Signing November 18, 2003 Signature Total number of pages including cover sheet, attachments, and document: 3. Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atty Docket No. 006639.P008		(Attach duplicate copy of this page if paying by deposit account)
To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schaal. Reg. No. 39.018 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3. Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Atty Docket No. 006639.P008 FWIDW61 00000051 10717332		SE THIS SPACE
To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document William W. Schasl, Reg. No. 39.018 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3 Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Atty Docket No. 006639.P008 HVIDN61 00000051 10717332	Stotement and signature	
William W. Schasl. Reg. No. 39.018 November 18, 2003 Name of Person Signing Stiphalure Date Total number of pages including cover sheet, attachments, and document: 3. Mail documents to be recorded with required cover sheet information to: Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Atry Docket No. 006639.P008 Atry Docket No. 006639.P008	To the best of my knowledge and believe, the foregoing is true a	and correct and any attached copy is a true copy of the original
Name of Parson Signing Stignature Date Total number of pages including cover sheet, stlachments, and document: 3. 3. Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Atty Docket No. 006639.P008 Alexandria, VA 22313-1450	aacument	
Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 3.		2
Total number of pages including cover sheet, attachments, and document: 3. Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atty Docket No. 006639.P008 HVIIN61 00000051 10717332	William W. Schaal, Reg. No. 39,018	<u>November 18, 2003</u>
Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atty Docket No. 006639.P008		
Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atty Docket No. 006639.P008	· - · -	
Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 Atty Docket No. 006639.P008		
Alexandria, VA 22313-1450 Atty Docket No. 006639.P008 HVUDN61 00000051 10717332	Director of the US Pat	tent and Trademark Office
Atty Docket No. 006639.P008		
HVUDN61 00000051 10717332		
	AUY DOCKET NO. UUDOSY.FUUS	
	HVUDN61 00000051 10717332	

(

•

١

PATENT REEL: 014917 FRAME: 0451

<u>A S S I G N M E N T</u> (For Execution Concurrently With the Filing of the Patent Application) PATENT Attorney's Docket No.: 006339.P008

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Toshiba America Information Systems, Inc., a California corporation having a principal place of business at 9740 Irvine Boulevard, Irvine, California 92618-1697 USA ("Assignor"), does hereby sell, assign, and transfer to Kabushiki Kaisha Toshiba having an address of 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 105-8001 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest, including the right of priority in and to, for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application(s) for the United States patent(s) listed below:

Application No.	<u>Filing Date</u>	<u>Title</u>
(To be assigned)	(Concurrently herewith)	A Multi-Functional Electronic Device with a Continuously Accessible Pointing Device

and in and to said application(s) and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application(s);

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

Ver. 1/2003

PATENT REEL: 014917 FRAME: 0452 -. 28. 2004 10:41AM BST&Z - CM

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

DATED:

TOSHIBA AMERICA INFORMATION SYSTEMS, INC.

Nov 13, 2003

By:

Name: Takayuki Ikeda Title: Assistant General Manager Digital Products Division

Ver. 1/2003

- 2 -

RECORDED: 07/28/2004