Attorney Docket No. 090286	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
RECORDATION FOR	RM COVER SHEET
PATENTS	SONLY
Commissioner for Patents: Please record the attach	ed original documents or copy thereof.
Submission type: X New Resubmission (Non-Resubmission) Document ID #:	or : #
License	Security Agreement Change of name Other <u>Transfer of Rights</u>
Conveying Party (ies):	Execution Date
First party Name: FUJITSU LIMITED	October 14, 2009
Additional name(s) of conveying party(ies) attache	ed? YesNo_ <u>XX</u>
Receiving Party (ies):	
First party Name: TOSHIBA STORAG	E DEVICE CORPORATION
Address: 1-1 Shibaura 1-chome	e, Minato-ku, Tokyo 105-8001, Japan
Additional name(s) & address(es) attached? Yes	No <u>XX</u>
Domestic Representative Name and Address	
Kratz, Quintos & Hanson, LLP	23850
Suite 400, 1420 K Street	PATENT TRADEMARK OFFICE
Washington, D.C. 20005	
(202) 659-2930	
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Page 2		
Correspondent Name and Address	Telephone: 202-659-2930	
1420 K Street, Washington,	S & HANSON, LLP N.W., Suite 400 , D.C. 20005	
Pages Enter the total number of pages of the atta (including any attachments, but not count	ached conveyance document: 4 ting cover sheets)	
Application Number(s) or Patent Number(s)	Additional numbers attached? Yes XX No	
A. Patent Application No.(s)	B. Patent No.(s)	
Please see attachment for Patent Application Numbers (Exhibit A)	Please see attachment for Patent Numbers (Exhibit A)	
If this document is being filed together with a <u>ne</u> signed by the first named executing inventor:	ew application, enter the date the application was	
Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned	PCT	
Number of Properties Enter the total number of	of properties involved:	
Fee Amount Fee Amount for Properties List	ted (37 CFR 3.41) \$560.00 (\$40.00 x 14)	
Enclosed		
XX Authorized to be charged	I to Deposit Account No.: 01-2340	
Statement and signature To the best of my knowledge and belief, the f attached copy is a true copy of the original docur Donald W. Hanson Name of Person Signing	Foregoing information is true and correct and any ment. Signature	
November 2, 2009 Date	27,133 Registration No.	

11/02/2009 17:38 2023317519 KRATZ QUINTOS HANSON PAGE 05/07

EXHIBIT A

U.S. Patent Application No.	<u>Filing Date</u>	Reel No.	<u>Frame No.</u>
12/155,509	06/05/2008	015729	0434
11/441,180	06/25/2006	017941	0462
11/902,123	09/19/2007	019921	0191
11/650,952	01/09/2007	018780	0060
11/647,189	12/29/2006	018754	0740
11/785,636	04/19/2007	019268	0760

11/02/2009 17:38 2023317519 KRATZ QUINTOS HANSON PAGE 07/07

EXHIBIT A

U.S. Patent No.	Issue Date	Reel No.	<u>Frame No.</u>
7,511,923	03/31/2009	016318	0004
7,570,459	08/04/2009	016929	0222
7,558,023	07/07/2009	016938	0734
7,522,360	04/21/2009	018079	0372
7,581,309	09/01/2009	017688	0185
7,582,553	09/01/2009	017612	0372
7,599,150	10/06/2009	016917	0356
7,602,583	10/13/2009	017733	0213

KRATZ QUINTOS HANSON

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ASSIGNMENT

WHEREAS, FUJITSU LIMITED (hereinafter referred to as ASSIGNOR), a corporation duly organized under the laws of Japan, having an office and place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan, owns the entire rights, title and interest in the inventions described and claimed in the attached list of United States Patent Application No.(s) (referred to as Attachment Exhibit A) and all Letters Patent of the United States to be obtained therefor on said application or from any continuation, divisional, renewal, substitute or reissue or reexamination thereof for the full term or terms for which the same may be granted;

WHEREAS, FUJITSULIMITED (ASSIGNOR), in this Assignment, wishes to assign and transfer its rights and interest in said United States Patent Application No.(s) (referred to as Attachment Exhibit A) to Toshiba Storage Device Corporation (hereinafter referred to as ASSIGNEE), a corporation duly organized under the laws of Japan, having an office and place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan, and ASSIGNEE wishes to acquire ASSIGNOR's interest in the attached list of United States Patent Application No.(s) (referred to as Attachment Exhibit A);

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE its entire interest in the attached list of United States Patent Application No.(s) (referred to as Attachment Exhibit A) and all Letters Patent of the United States to be obtained therefor on said application or from any continuation, divisional, renewal, substitute or reissue or reexamination thereof for the full term or terms for which the same may be granted.

IN WITNESS WHE	REOF, hav	e hereunto set ha	ınd and seal
this14th	day of	October	, 2009
Assignor: FUJITSI			
Signature:	eselis	(
Printed Name:Ma	<u>sabiro k</u>	(amei	
Title: <u>General</u> Propert		. <u>Intellect</u> ng Office	ual

KRATZ QUINTOS HANSON 105 (覚経 / - Krata PAGE 06/07

ASSIGNMENT

WHEREAS, FUJITSU LIMITED (hereinafter referred to as ASSIGNOR), a corporation duly organized under the laws of Japan, having an office and place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan, owns the entire rights, title and interest in the inventions described and claimed in the attached list of United States Patent (s) (referred to as Attachment Exhibit A) or from any continuation, divisional, renewal, substitute or reissue or reexamination thereof for the full term or terms for which the same may be granted;

WHEREAS, FUJITSULIMITED (ASSIGNOR), in this Assignment, wishes to assign and transfer its rights and interest in said United States Patent (s) (referred to as Attachment Exhibit A) to . (hereinafter referred to as ASSIGNEE), a Toshiba Storage Device Corporation corporation duly organized under the laws of Japan, having an office and place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan, and ASSIGNEE wishes to acquire ASSIGNOR's interest in the attached list of United States Patent (s) (referred to as Attachment Exhibit \mathbf{A});

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE its entire interest in the attached list of United States Patent (s) (referred to as Attachment Exhibit A) or from any continuation, divisional, renewal, substitute or reissue or reexamination thereof for the full term or terms for which the same may be granted.

IN WITNESS WHEREOF, have hereunto set hand and	seai
this 14th day of October , 2	:009
Assignor: FUJITSU LIMITED	
Signature: Nagalas Caris	
Printed Name: Masahiro Kamei	
Title: <u>General Manager. Intellectual</u> Property Planning Office	

REEL: 023456 FRAME: 0232

TELEFAX TRANSMISSION COVER SHEET

To:

Attn: ASSIGNMENT BRANCH

U.S. Patent & Trademark Office

Fax No: (571) 273-0140

From:

Mr. Donald W. Hanson

of

KRATZ, QUINTOS & HANSON, LLP.

Re:

U.S. Patent Application Nos. (Exhibit A)

U.S. Patent Nos. (Exhibit A)

Our Reference: 090286

RECORDATION FORM COVER SHEET FOR ASSIGNMENT (PATENT ONLY)

If all pages not received, please call the above-identified attorney at local telephone no. 202-659-2930.

Certification of Facsimile Transmission

I hereby certify that this paper, a Recordation Form Cover Sheet (6 pages and 1 page cover sheet for total of 7 pages), is being facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Person signing certification:

Donald W. Hanson, Reg. No. 27,133

November 2, 2009

Date

Attys. Docket No. 090286

RECORDED: 11/02/2009