FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

05-21-1999



101043580

U.S. Department of Commerce Patent and Trademark Office PATENT

ATTY. DOCKET NO.

K35A0521

WC S	71099	PATENTS ONL	.Υ	No.
TO: The Comm Submission	nissioner of Patents and Trademar TVDe	ks: Please record the a		7
✓ New	- 3	Assignment	Security Agreement	
Resubmis	ssion (Non-Recordation)	License	Change of Name	, D
Reel #	n of PTO Error Frame #	Merger	U.S. Government	
Reel #	e Document Frame #		e ONLY by U.S. Government Agenc partmental File Se	es) cret File
Conveying F	Party(ies)	✓ Mark if additional	names of conveying parties atta	
Name (line 1)	FRANK, JR., CHARLES W.			Month Day Year 5/7/99
Name (line 2)				
Second Party Name (line 1)	HANAN, THOMAS D.			Execution Date Month Day Year 5/7/99
Name (line 2)				09 9 948
Receiving P	arty	Ma	ark if additional names of receive	ng parties attached
Name (line 1)	WESTERN DIGITAL CORPORATION	DN		If document to be record is an assignment and the
Name (line 2)	1			receiving party is not domiciled in the United States, an appointment of a domestic
•	8105 IRVINE CENTER DRIVE			representative is attache (Designation must be a separate document from
Address (line 2)	PLAZA 3			Assignment.)
Address (line 3)		CALIFORNIA	92618	
Domestic Re	epresentative Name and A	State/Country ddress Enter for	Zip Code or the first Receiving Party only.	And the second s
Name				
Address (line 1)				
Address (line 2)				
Address (line 3)				
Address (lier 4)				
:581 /40	.00 CH	FOR OFFICE USE ONLY		

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

PATENT

			•
FORM PTO Expires 06/30/99 OMB 0651-0027	-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Corresponde	ent Name and Address	Area Code and Telephone Number	(949) 932-5000
Name [WESTERN DIGITAL CORPORAT	ION	
Address (line 1)	8105 IRVINE CENTER DRIVE		
Address (line 2)	PLAZA 3		
Address (line 3)	IRVINE, CALIFORNIA 92618 U.S.	Α.	
Address (line 4)			
Pages	Enter the total number of pagincluding any attachments.	ges of the attached conveyance docu	ment # 4
Pate	ent Application Number(s)	Patent Number (DO NOT ENTER BOTH number. Patent Pa	nt Number(s)
Ente <u>only</u>	eration Treaty (PCT) r PCT application number <u>if</u> a U.S. Application Number not been assigned.	PCT PCT PCT	PCT PCT
Number of P	roperties	al number of properties involved.	# 1
Fee Amount	Fee Amount f	for Properties Listed (37 CFR 3.41):	\$ 40.00
Deposit .	payment by deposit account or if addi	tional fees can be charged to the account.)	# 23-1209

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. Charges to deposit account are authorized, as indicated herein.

marcated nerem.

MILAD G. SHARA, ESQ.

Name of Person Signing

Signature

Authorization to charge additional fees:

No

PATENT

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

Conveying Pa	inaix ii additional names of conveying parties attached	Francisco Data
Enter additional C	onveying Parties	Execution Date Month Day Year
Name (line 1) SZ	ZEREMETA, WALLY	5/10/99
Name (line 2)		
		Execution Date
Name (line 1) G	DLDSTONE, MARC B.	Month Day Year 5/7/99
redire (inte i)		5///99
Name (line 2)		Execution Date
		Month Day Year
Name (line 1)		
Name (line 2)		
Receiving Par		s attached
	eceiving Party(ies)	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United
		States, an appointment of a domestic representative
Address (line 1)		is attached. (Designation must be a separate
Address (line 2)		document from Assignment.)
Address (mez)		Assignment.)
Address (line 3)		
	City State/Country Zip Code	•
Name (line 1)		If document to be recorded
		is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment of a
Address (line 1)		domestic representative is attached. (Designation must
		be a separate document from
Address (line 2)		Assignment.)
Address (line 3)		
	City State/Country Zip Co	de
	umber(s) or Patent Number(s) Mark if additional numbers attached	
	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the sar	· · · · · ·
Pa	tent Application Number(s) Patent Number	er(s)
U-10.1		

PATENT

Approved for use through 9/30/98. OMB 0651-0027
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Docket Number (Optional) ASSIGNMENT OF APPLICATION K35A0521 WALLY SZEREMETA WESTERN DIGITAL CORPORATION Whereas, I, referred to as applicant, have invented certain new and useful improvements in $\overset{|\mathsf{NTEGRATED}}{-}$ COMPUTER MODULE HAVING A DATA INTEGRITY LATCH for which an application for a United States Patent was filed on _____ for which an application for a United States Patent was executed on $\frac{5}{10}/\frac{1999}{1999}$, and WESTERN DIGITAL CORPORATION Irvine, California Whereas. herein referred to "assignee" whose post office address is ______8105 Irvine Center Dr., Irvine, CA 92618 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. Executed this at IRVINE, CALIFORNIA State of California) County of Orange) SS: On this day of May, 1999, before me, Rosanne Rosannersonally appeared Wally & Zereneta, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(b) whose name(s) is/apt subscribed to the within instrument and acknowledged to me that he/s) e/they executed the same in his/her/their authorized capacit(es)y, and that by his/her/their signature(e) on the instrument the person(e), or the entity upon behalf of which the person acted, exe

ROSANNE ROSSON Notary Public -- California **Orange County** My Comm. Expires Dec 20, 2000 (Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

PTO/SB/15 (8-96)
Approved for use through 9/30/98. OMB 0651-0027
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIG	NMFNT	OF APPL	ICATION

Docket Number (Optional) K35A0521

	CHARLES W. FRANK, JR WESTERN DIGITAL CORPORATION
Whereas, I,	CHARLES W. FRANK, JR. of WESTERN DIGITAL CORPORATION, hereafter
	applicant, have invented certain new and useful improvements in
Applica	ch an application for a United States Patent was filed on, tion Number/ ch an application for a United States Patent was executed on/, and
IOI WIN	and application to a United States Patent was executed on 7-(7-7-7-7, and
Whereas,	TERN DIGITAL CORPORATION of Irvine, California herein referred to
"assignee" who	se post office address is is de-
	ring the entire right, title and interest in the same;
Now, therefore,	, in consideration of the sum of $\underline{\hspace{1cm}}^{\hspace{1cm}}$ One $\underline{\hspace{1cm}}$ dollars (\$ $\underline{\hspace{1cm}}^{\hspace{1cm}}$), the receipt whereof is $\overline{\hspace{1cm}}$ ac
knowledged, ar	nd other good and valuable consideration, I, the applicant, by these presents do sell, assign
and transfer un	to said assignee the full and exclusive right to the said invention in the United States and th
entire right, title	and interest in and to any and all Patents which may be granted therefor in the United States
I hereby author	rize and request the Commissioner of Patents and Trademarks to issue said United States
Patent to said a	assignee, of the entire right, title, and interest in and to the same, for his sole use and behoo
and for the use	and behoof of his legal representatives, to the full end of the term for which said Patent ma
be granted, as	fully and entirely as the same would have been held by me had this assignment and sale no
been made.	
Executed this _	SEVENTH day of MAY, 1999,
at_IRVINE, CA	LIFORNIA
e of Californi nty of Orange	
and day of May, 1999, basis of satisfactory evid ed the same in his/har/th	before me, Rosanne Rosson, personally appeared Charles W. Frank Jr., personally known to me (or proved to me lence) to be the person (a) whose name (b) is/a) subscribed to the within instrument and acknowledged to me that he/s (e/th) or authorized capacit (ide), and that by his/he/th) ir signature (a) on the instrument the person (a), or the entity upon behalf of
the person acted, e	ROSANNE ROSSON Commission # 1109517 Notary Public — California
<i>y</i> (Orange County My Comm. Fundres Dec 20, 2000

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

PTO/SB/15 (8-96)
Approved for use through 9/30/98. OMB 0651-0027
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGN	MENT OF	: ADDI	ICATION
AGGIGITI		AF F 6	ICALICIA

Docket Number (Optional) K35A0521

Whereas, I,	THOMAS D. HANAN	of _	WESTERN DIGITAL	CORPORATION , hereafte
	plicant, have invented certa A DATA INTEGRITY LATCH		d useful improvements	s in MEGHATED COMPUTER
	an application for a United			
	an application for a United			MAY ?TV, and
Whereas, WESTE	ERN DIGITAL CORPORATION	N of	Irvine, Californi	a herein referred
	post office address is			
sirous of acquirin	g the entire right, title and i	nterest in	the same;	
Now, therefore, ir	consideration of the sum	of One	dollars (\$1.00), the receipt whereof is
knowledged, and	other good and valuable co	onsideratio	on, I, the applicant, by	these presents do sell, ass
and transfer unto	said assignee the full and	exclusive (right to the said inventi	on in the United States and
entire right, title a	nd interest in and to any an	d all Pater	its which may be grant	ed therefor in the United Sta
I hereby authorize	e and request the Commis	sioner of I	Patents and Trademar	ks to issue said United Stat
Patent to said ass	signee, of the entire right, ti	tle, and in	terest in and to the sar	ne, for his sole use and beh
and for the use a	nd behoof of his legal repre	sentatives	s, to the full end of the	term for which said Patent r
be granted, as ful	ly and entirely as the same	would ha	ve been held by me ha	nd this assignment and sale
been made.				-
Executed this	274	day of	m AY	, 1999 ,
at IRVINE, CALI		•		
of California y of Orange)) SS:		The B	Man
day of 111 dy, 1999, be asis of satisfactory evidend the same in his/highthad	ce) to be the person(s) whose name(s) authorized capacit(lea)y, and that by r	is/a ne subscri	d Thomas D. Hanan , per bed to the within instrument and	Signature) senally known to me l acknowledged to me that he/she/thay person(sh, or the entity upon behalf of
ne person acted, executed	ROSANINE ROSSON	7		
	Commission # 1109617 Notary Public — Californi		Kosana .	Losson
	Orange County My Comm Expires Dec 20.2	- A	(N	otary Public)

Burden Hour Statement: List on the estimated to take us nears to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

Approved for use through 9/30/98. OMB 0651-0027
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Docket Number (Optional) ASSIGNMENT OF APPLICATION K35A0521 MARC B. GOLDSTONE WESTERN DIGITAL CORPORATION Whereas, I, referred to as applicant, have invented certain new and useful improvements in ____ MODULE HAVING A DATA INTEGRITY LATCH for which an application for a United States Patent was filed on ______, for which an application for a United States Patent was executed on <u>May 21th</u>, and WESTERN DIGITAL CORPORATION of _____ Irvine, California herein referred to Whereas. "assignee" whose post office address is ______8105 Irvine Center Dr., Irvine, CA 92618 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this Soverth day of May , 1999 , at IRVINE, CALIFORNIA State of California)
County of Orange) SS:

(Signature)
On this day of May, 1999, before me, Rosanne Rosanne (Nosanne) personally appeared Marc B Goldstone, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(by whose name(by is/a) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/he/they authorized capacit(i) by, and that by his/he/they signature(b) on the instrument the person(by or the entity upon behalf of

Orange County My Comm. Expires Dec 20, 2000

(Notary Public)

Burden Hour Statement: The Limitate to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT REEL: 009956 FRAME: 0569