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

12-14-2000



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

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TO: The Commissioner of Patents and Trader Submission Type X New Resubmission (Non-Recordation) Document ID# Correction of PTO Error Reel # Frame # Corrective Document Reel # Frame # Conveying Party(ies) Name (line 1) Belser, Karl A.	Conveyance Ty X Assignment License Merger (For L	
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Name (line 1) Belser, Karl A.	X Mark if additiona	
		al names of conveying parties attached Execution Date
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Name (line 2)		
Second Party Name (line 1) Wang, Li-Ping		Execution Date Month Day Y
Name (line 2)	, , , , , , , , , , , , , , , , , , , ,	
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Address (line 2)		separate document (Assignment.)
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Domestic Representative Name and	Address Enter	for the first Receiving Party only.
Name Nancy R. Simon		
Address (line 1) Simon & Koerner LLP	******	
Address (line 2) 10052 Pasadena Avenue, S	uite B	
Address (line 3) Cupertino, California 95014		
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PATENT

REEL: 011324 FRAME: 0383

FORM PTC Expires 06/30/99 OMB 0651-0027)-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspond	ent Name and Address	Area Code and Telephone Numb	Der (408) 873-3941
Name	Nancy R. Simon		
Address (line 1)	Simon & Koerner LLP		
Address (line 2)	10052 Pasadena Avenue, Suite B		
Address (line 3)	Cupertino, CA 95014		
Address (line 4)			
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Name	or reison signing	, and a signature	Date

PATENT REEL: 011324 FRAME: 0384 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

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Enter additional C	onveying Parties				Month	Day Year
Name (line 1) Mo	Daniel, Terry W.				11 1	20 2000
Name (line 2)			- 1		Execu Month	ition Date Day Year
Name (line 1)						July 100.
Name (line 2)						ition Date
Name (line 1)					Month	Day Year
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PATENT

REEL: 011324 FRAME: 0385

<u>ASSIGNMEN</u>T

WHEREAS, Karl A. Belser, Li-Ping Wang, and Terry W. McDaniel, have invented certain new and useful improvements in a METHOD AND SYSTEM FOR UTILIZING CIRCULAR MARKS IN POSITION ERROR SIGNAL PATTERNS and have executed concurrently herewith a Declaration for a United States Patent Application on the invention; and

Whereas, Seagate Technology LLC, a corporation of the State of Delaware, having a place of business at 920 Disc Drive, Scotts Valley, CA 95066, State of California, (hereinafter referred to as Assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

Now, therefore, for and in consideration of One Dollar and other good and valuable considerations, to me in hand paid, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned, and set over and by these presents do hereby sell, assign, and set over unto the said Seagate Technology LLC, and said Assignee's legal representatives, successors and assigns, the entire right, title and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee agreeably with the terms of this assignment.

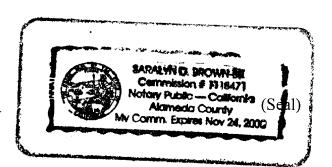
I hereby authorize the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, I convey to said Assignee that right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said Assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

PATENT REEL: 011324 FRAME: 0386

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date set forth below.
Dated: 11/28/00 (Carl A. Bella
State of Callonia } Karl A. Belser
County of Santa Clara }
On this 18 day of November, in the year 2000, before me, Tackle Dae Migne Notary Public of the State of California in the County of Santa Clause, personally appeared KARL A. BELSER, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal, Signature Cell Damillon Signature (Seal)
IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date set forth below.
Dated: 11/22/2000
State of California } Li-Ping Wang
County of Santa Clara
On this day of November, in the year 200, before me, Surah D. Brun-Bell Notary Public of the State of California in the County of Alanda, personally appeared LI-PING WANG, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

- 2 -



IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date set forth below.

Dated: Nov. 20, 2000

Terry W. McDaniel

State of California

County of Santa Clara

On this 20 day of November, in the year 2000, before me, Kian Kawar, Notary Public of the State of California in the County of Santa Clara, personally appeared TERRY W. MCDANIEL, personally known to me (or proved to me'on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal,

RECORDED: 11/29/2000

Signature Kim Kawar

KIAN KAWAR
Commission # 1236394
Notary Public - Colifornia \$
Sonta Clara County
My Comm. Expires Oct 3, 2003 (a)