PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNM	ENT		
NATURE OF CONVEYA	NCE:	ASSIGNMENT			
CONVEYING PARTY D	ATA	J			
		Name		Execution Date	
Marsha Anne Huha				01/29/2010	
Ki Myung Lee				02/02/2010	
Anil Junuthula Reddy				01/29/2010	
Ying Dong				01/28/2010	
Gary Joseph Kunkel				01/29/2010	
Matthew Aaron Carper				01/29/2010	
Andrew David Frenz				02/01/2010	
John L. Brand				01/28/2010	
Quinn Jay Haddock				02/02/2010	
	CALIFORNIA 05066 Total: 1				
Property Type	e		Number		
Application Number:		12701362			
Phone: Email: Correspondent Name: Address Line 1:	(612)339 <i>sent via US i</i> 6123391 azuege@ Austen Z 312 Sou	<i>Mail when the fax attemp</i> 863 ⊉kinney.com Zuege th Third Street	t is unsuccessful.		
Address Line 2:	Kinney 8	Lange, P.A.			
				PATENT	

PATENT REEL: 023907 FRAME: 0846

501087000

Address Line 4: Minneapolis, M	INNESOTA 55415
ATTORNEY DOCKET NUMBER:	S895.12-0115
NAME OF SUBMITTER:	Austen Zuege
Total Attachments: 12	
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Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

WHEREAS, we, Marsha Anne Huha, of Minneapolis, MN, U.S.A.; Ki Myung Lee, of Eden Prairie, MN, U.S.A.; Anil Junuthula Reddy, of Minneapolis, MN, U.S.A.; Ying Dong, of Eden Prairie, MN, U.S.A.; Gary Joseph Kunkel, of Minneapolis, MN, U.S.A.; Matthew Aaron Carper, of Minneapolis, MN, U.S.A.; Andrew David Frenz, of Minneapolis, MN, U.S.A.; John L. Brand, of Burnsville, MN, U.S.A.; and Quinn Jay Haddock, of Longmont, CO, are the inventor(s) of an invention entitled <u>MATERIAL DEPOSITION ON</u> <u>TRANSDUCING HEAD</u> that is the subject matter of: (Check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. filed on ;
- an application for Letters Patent which is identifiable by its title and named inventors listed above, and/or is identifiable in the United States Patent and Trademark Office by Application No. filed on ;and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. ,filed on ; and

WHEREAS, **Seagate Technology LLC**, a Delaware limited liability corporation and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, transfer to Assignee, its successors and assigns, entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

Attorney Docket No. :S895.12-0115Seagate Docket No. :STL14351.00

IN TESTIMONY WHEREOF, I have hereu	nto set my hand this <u>29</u> day of <u>January</u> , 2010.
	MMM
STATE OF)	Marsha Anne Huna
COUNTY OF HEIMEPIA)	io. /
	\overline{Januan} , 2010, before me personally appeared o me known to be identified herein, and who executed the
foregoing instrument, and acknowledged to	o me that he/she executed the same for the uses and purposes
herein set forth.)
ISEA IN TESTIMONY WHEREOF, I have hereut	Notary Public day of, 2010.
	Ki Myung Lee
STATE OF)	s.
COUNTY OF)	
	, 2010, before me personally appeared
	o me known to be identified herein, and who executed the
	o me that he/she executed the same for the uses and purposes
herein set forth.	

[SEAL]

Notary Public

Page 2 of 6 Pages

Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

IN TESTIMONY WHEREOF, I have hereunto set my hand this <u>29</u> day of <u>January</u> , 2010.
AipP
Anil Junythula Reddy
STATE OF <u>Minnesota</u>))ss.
COUNTY OF <u>Hennepin</u>)
On this 29th day of January, 2010, before me personally appeared Anil Januthula Reddy to me known to be identified herein, and who executed the
foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes
herein set forth.
DIANE M. CHAPMAN Diane M. Chapman
ISEA Minnesota My Commission Expires Jan. 31, 2013
IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of January, 2010.
Ying Dong
STATE OF <u>MinneSota</u>)
(county of <u>Hennepin</u>)
On this 28^{th} day of 32^{th} day of 32^{th} , 2010, before me personally appeared Ying 30^{th} to me known to be identified herein, and who executed the
<u>Ying</u> <u>Dong</u> to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes
herein set forth.
Laire M Massing
Juna III Chapter

Notary Public

[SEAL]

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Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 th day of JAN UARY, 2010.
MD
STATE OF
On this <u>29th</u> day of <u>JAWCAAY</u> , 2010, before me personally appeared <u>Cary Joseph Kunket</u> to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.
[SEAL] DIANE M. CHAPMAN Notary Public Minnesota My Commission Expires Jan. 31, 2013
IN TESTIMONY WHEREOF, I have hereunto set my hand this 29th day of JANUARY, 2010.
STATE OF
On this <u>29</u> <u>H</u> day of <u>JANUARY</u> , 2010, before me personally appeared <u>Mattlew Aaron Corpu</u> to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth. [SEAN]
Notary Public Minnesota My Commission Expires Jan. 31, 2013

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Attorney Docket No. : S895.12-0115

Seagate Docket No. : STL14351.00
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of Kebmary, 2010.
total dis
Andrew David Frenz
state of <u>Minnesota</u>)
)ss. COUNTY OF <u>Hennepin</u>)
ist Fi
On this <u>1st</u> day of <u>February</u> , 2010, before me personally appeared <u>Andruw Javid Frenz</u> to me known to be identified herein, and who executed the
Marun David Frenz to me known to be identified herein, and who executed the
foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes
herein set forth.
[SEAL] DIANE M. CHAPMAN Notary Public Minnesota My Commission Expires Jan. 31, 2013 Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand this $\frac{28^{4k}}{28}$ day of $\frac{28^{4k}}{28}$ day d
John L. Brand
STATE OF Minnesota)
COUNTY OF Hennepin))ss.
On this day of January, 2010, before me personally appeared
John L. Brand to me known to be identified herein, and who executed the
foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes
herein set forth.

Notary Public

[SEAL]

DIANE M. CHAPMAN Notary Public Minnésota My Commission Expires Jan. 31, 2013

Page 5 of 6 Pages

Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

IN TESTIMONY WHEREOF, I have hereunto set my hand this 200 day of FEBRURRY, 2010.

Their Jay Hodd

STATE OF MARANCE)

)ss.

COUNTY OF BOLLABER

On this ______ day of <u>filst(aby</u>, 2010, before me personally appeared <u>filst(aby</u>), 2010, before me personally appeared <u>foregoing</u> instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

ZEINA GITTLEIN NOTARY PUBLIC STATE OF COLORADO

ma Jetter Notary Public

MY COMMISSION EXPIRES 12/2/2013

Page 6 of 6 Pages

Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

WHEREAS, we, **Marsha Anne Huha**, of Minneapolis, MN, U.S.A.; **Ki Myung Lee**, of Eden Prairie, MN, U.S.A.; **Anil Junuthula Reddy**, of Minneapolis, MN, U.S.A.; **Ying Dong**, of Eden Prairie, MN, U.S.A.; **Gary Joseph Kunkel**, of Minneapolis, MN, U.S.A.; **Matthew Aaron Carper**, of Minneapolis, MN, U.S.A.; **Andrew David Frenz**, of Minneapolis, MN, U.S.A.; **John L. Brand**, of Burnsville, MN, U.S.A.; and **Quinn Jay Haddock**, of Longmont, CO, are the inventor(s) of an invention entitled <u>MATERIAL DEPOSITION ON</u> TRANSDUCING HEAD that is the subject matter of: (Check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No.
- an application for Letters Patent which is identifiable by its title and named inventors listed above, and/or is identifiable in the United States Patent and Trademark Office by Application No. filed on ;and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. , filed on ; and

WHEREAS, **Seagate Technology LLC**, a Delaware limited liability corporation and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, transfer to Assignee, its successors and assigns, entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

STATE OF)	Marst	na Anne Huha		
COUNTY OF	·)ss.			
On this	day of		2010	before me	personally appeare
					d who executed th
foregoing instrument, and herein set forth.	d acknowledge	d to me that he	/she executed	the same for th	e uses and purpose
[SEAL]		Notan	y Public		
	OF, I have here			day oft	pmary_, 2010.
	OF, I have here			day of _Fet	pmary_, 2010.
IN TESTIMONY WHERE		eunto set my ha		day of _Feb	<u>pruary</u> , 2010.
IN TESTIMONY WHERE STATE OF \underline{MN} county of Scoth))	eunto set my ha Ki My)ss.	and this 2 ung Lee	J	
[SEAL] IN TESTIMONY WHERE STATE OF \underline{MN} COUNTY OF \underline{Scoth} On this $\underline{2^{n}}$ foregoing instrument, and herein set forth.)) day of 	eunto set my ha Ki My)ss.	and this 2 ung Lee	, before me jied herein, an	personally appeared



Page 2 of 6 Pages

		ASSIGNMENT	Attorney Docket No. : Seagate Docket No. :	
IN TESTIMONY WHEREOF,	have hereur	nto set my hand this	s day of	, 2010.
		Anil Junuth	ula Reddy	
STATE OF)s	s.		
			, 2010, before me p e identified herein, and	
foregoing instrument, and ack herein set forth.	nowledged to	o me that he/she ex	ecuted the same for the	e uses and purpos
[SEAL]		Notary Public	2	
IN TESTIMONY WHEREOF,	I have hereur	nto set my hand this	s day of	, 2010.
		Ying Dong		
STATE OF)s:	s.		
			, 2010, before me p	
oregoing instrument, and ack herein set forth.			 identified herein, and recuted the same for the 	
[SEAL]		Notary Public		

Page 3 of 6 Pages

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	ASSIGNMENT	Attorney Docket No. : Seagate Docket No. :	S895.12-0115 STL14351.00
IN TESTIMONY WHEREOF,	I have hereunto set my hand th	is day of	, 2010.
	Gary Jose	oh Kunkel	<u></u>
STATE OF))ss.		
COUNTY OF			
	_ day of to me known to t		
foregoing instrument, and achieve herein set forth.	knowledged to me that he/she e	executed the same for the	uses and purposes
[SEAL]	Notary Pub	lic	
IN TESTIMONY WHEREOF,	I have hereunto set my hand th	nis day of	, 2010.
	Maithew A	aron Carper	
STATE OF)	aron Carper	
STATE OF))ss.	aron Carper	
COUNTY OF))ss.	, 2010, before me p	

[SEAL]

Notary Public

Page 4 of 6 Pages

	ASS	IGNMENT Attorne	y Docket No. :	S895.12-0115
			e Docket No. :	
IN TESTIMONY WHEREC)F, I have hereunto set	my hand this	day of	, 2010.
	-	Andrew David Fren:	<u> </u>	
STATE OF				
COUNTY OF)ss.)			
	day of			
	to me			
foregoing instrument, and herein set forth.	acknowledged to me tr	lat ne/sne executed	ine same for th	e uses and purposes
		N. J. D. J. K.	<u></u>	
[SEAL]		Notary Public		
IN TESTIMONY WHEREC	DF, I have hereunto set		day of	, 2010.
IN TESTIMONY WHEREC			day of	, 2010.
IN TESTIMONY WHEREO)	my hand this	day of	, 2010.
))ss.	my hand this	day of	, 2010.
STATE OF COUNTY OF On this))ss.) day_of	my hand this John L. Brand , 2010	, before me j	personally appeared
STATE OF COUNTY OF On this))ss.) day of to me	my hand this John L. Brand , 2010 known to be identif	, before me j ied herein, an	personally appeared
STATE OF COUNTY OF On this foregoing instrument, and))ss.) day of to me	my hand this John L. Brand , 2010 known to be identif	, before me j ied herein, an	personally appeared
STATE OF COUNTY OF On this))ss.) day of to me	my hand this John L. Brand , 2010 known to be identif	, before me j ied herein, an	personally appeared

[SEAL]

Notary Public

Page 5 of 6 Pages

Attorney Docket No. : S895.12-0115 Seagate Docket No. : STL14351.00

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Quinn Jay Haddock
STATE OF ______)
SS.
COUNTY OF ______)
On this ______ day of ______, 2010, before me personally appeared
______ to me known to be identified herein, and who executed the
foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes
herein set forth.

[SEAL]

Notary Public

Page 6 of 6 Pages

PATENT REEL: 023907 FRAME: 0859

RECORDED: 02/05/2010