502652781 01/27/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2699390

	SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	DATA				
N			lame	Execution Date	
NARAYANAN RAMAKRISHNAN				12/20/2013	
AJAYKUMAR RAJASEKHARAN				01/15/2014	
RECEIVING PARTY	DATA				
Name:	SEAGATE TE	SEAGATE TECHNOLOGY LLC			
Street Address:	10200 S. DE A	10200 S. DE ANZA BLVD.			
City:	CUPERTINO	CUPERTINO			
State/Country:	CALIFORNIA	CALIFORNIA			
Postal Code:	95014				
Property	Туре		Number		
Property Application Number:		141394			
Application Number:		141394			
Application Number:	E DATA		138		
Application Number: CORRESPONDENCI Fax Number:	E DATA (651	1)351-29	54		
Application Number:	E DATA (651	I)351-29: 2759814	54		
Application Number: CORRESPONDENCI Fax Number: Phone: Email:	E DATA (651 6512 nlibe	1)351-29; 2759814 erko@ka	54		
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Total Attachments: 3

Signature:

Date:

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01/27/2014

502652781 PATENT REEL: 032053 FRAME: 0875

DECLARATION & ASSIGNMENT

WHEREAS, We, NARAYANAN RAMAKRISHNAN, of 9104 Briarglen Rd., Eden Prairie, MN 55347, and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 10200 S. De Anza Blvd, Cupertino, CA 95014 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, I transfer to Assignee, its successors and assigns, my 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 I 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.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I 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.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my 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.

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

PATERT 10/18/2012

	NARAYANAN RAMAKRISHNAN (Inventor)
	12/2/2013
	Date
State of Minnesota)	
County of Hennepin)	
on Dec. 20th 2013 before me, Kuth	C-Zrbble Notary sert name and title of the officer)
personally appeared RAMAKRISHNAN NARAYANAN (Inventor the person whose name is subscribed to the within instrument his/her authorized capacity, and that by his/her signature on the person acted, executed the instrument.	
I certify under PENALTY OF PERJURY under the laws of the Sparagraph is true and correct.	State of Minnesota that the foregoing
WITNESS my hand and official seal.	
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Signature (Seal) Signature of Notary Rublic RUTI+C ZIBBLE Notary Public-Minnesota My Commission Expires Jan 31, 2011	YKUMAR RAJASEKHARAN (Inventor)
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I certify under PENALTY OF PERJURY under the laws of the Sparagraph is true and correct.	State of Minnesota that the foregoing
WITNESS my hand and official seal.	9
Signature (Seal)	
Signature of Notary Public	

Seagate Docket No. STL 17985.00 US Kagan Binder Docket No. STL0037/US

#82902

PATENT: 10/18/2012

Seagate Docket No. STL 17985,00 US Kagan Binder Docket No. STL0037/US

	NARAYANAN RAMAKRISHNAN (Inventor)			
State of Managaille	Date			
State of Minnesota)				
County of Hennepin)	en e			
Onbefore me,				
	(insert name and title of the officer)			
the person whose name is subscribed to the with	ANAN (Inventor), who proved to me on the basis of satisfactory evidence to be not instrument and acknowledged to me that he/she executed the same in signature on the instrument the person, or the entity upon behalf of which the			
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	ne laws of the State of Minnesota that the foregoing			
WITNESS my hand and official seal.				
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SignatureSignature of Notary Public	(Seal)			
	AJAYKUMAR RAJADEKHARAN (Inventor)			
Colorado	Di 15 14			
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On 30.15, 2014 before me.	SLVery Joung (Insert name and title of the officer)			
he person whose name is subscribed to the with	MAR (Inventor), who proved to me on the basis of satisfactory evidence to be in instrument and acknowledged to me that he/she executed the same in gnature on the instrument the person, or the entity upon behalf of which the			

WITNESS my hand and official seal.

Signature Study WAG

(Seal)

I certify under PENALTY OF PERJURY under the laws of the State of Minnesota that the foregoing paragraph is true and correct.

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U.S. Assignment - Seagate Technology LLC - Confidential

PATENT 0/18/2012

REEL: 032053 FRAME: 0878