

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4550465

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAMAN VENKATARAMANI	08/10/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SEAGATE TECHNOLOGY LLC
<b>Street Address:</b>	10200 S. DE ANZA BLVD
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15677304
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)786-7691
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	303 786 7687
<b>Email:</b>	docketing@dbflaw.com
<b>Correspondent Name:</b>	DUFT BORNSSEN & FETTIG, LLP - STL
<b>Address Line 1:</b>	1526 SPRUCE ST
<b>Address Line 2:</b>	#302
<b>Address Line 4:</b>	BOULDER, COLORADO 80302
<b>NAME OF SUBMITTER:</b>	GREGORY T. FETTIG
<b>SIGNATURE:</b>	/Gregory T. Fettig/
<b>DATE SIGNED:</b>	08/15/2017
<b>Total Attachments: 1</b>	
source=STL-0008-ASSIGNMENT#page1.tif	

**ASSIGNMENT OF PATENT APPLICATION**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, hereby sell, assign and transfer to Seagate Technology LLC, having an office at 10200 S. De Anza Blvd, Cupertino, CA 95014, United States of America, and its successors, assigns and legal representatives (collectively "Assignee"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an Letters Patent of the United States of America entitled **CHANNEL ERROR RATE OPTIMIZATION USING MARKOV CODES** and assigned attorney docket number STL-072932, and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

I/We agree that when requested will, without charge to Assignee but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Inventions in any and all countries and for vesting title thereto in Assignee.

I/We authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own name in any and all countries, and to invoke and claim for any application for patent or other form of protection for the Inventions filed by Assignee the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization.

I/We hereby consent that a copy of this Assignment Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of Assignee to apply for patent or other form of protection for the Inventions and to claim the aforesaid benefit of the right of priority.

IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.

Raman Venkataramani  
Inventor's Signature

8/10/2017  
DATE

Raman Venkataramani  
Inventor's Printed Name