504476267 07/27/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4522969

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL BARRELL	07/24/2017
IAN DAVIES	07/24/2017
KENNETH F DAY III	07/26/2017
DOUGLAS DEWEY	07/24/2017

RECEIVING PARTY DATA

Name:	SEAGATE TECHNOLOGY LLC
Street Address:	10200 SOUTH DEANZA BLVD
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15638310

CORRESPONDENCE DATA

Fax Number: (512)461-6344

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.

Phone: 5124616344

Email: usptomail@cesari-reed.com

CESARI & REED LLP - SEAGATE TECHNOLOGY LLC **Correspondent Name:**

Address Line 1: 1114 LOST CREEK BLVD

Address Line 2: SUITE 430

Address Line 4: AUSTIN, TEXAS 78746

ATTORNEY DOCKET NUMBER:	1000-STL072957
NAME OF SUBMITTER:	KIRK A. CESARI
SIGNATURE:	/Kirk A. Cesari/
DATE SIGNED:	07/27/2017

Total Attachments: 4

source= Assignment Declaration 072957#page1.tif source=_Assignment_Declaration_072957#page2.tif

PATENT REEL: 043115 FRAME: 0936 504476267

source=_Assignment_Declaration_072957#page3.tif source=_Assignment_Declaration_072957#page4.tif

> PATENT REEL: 043115 FRAME: 0937

COMBINED ASSIGNMENT-DECLARATION

Seagate Docket No.:1000-STL072957

W	IEREAS, Michael Barrell of 581	⁷ Boundary Place, Longmont, CO 80503, I	lan Davies of 3950 Hawthorne Circle,
Lor	igmont, CO 80503, Kenneth F I	Day III of 503 Fern Ct, Cedar Park, TX 78	8613 and Douglas Dewey of 950
Gra	indview Meadows Dr. #F202 Lo	ngmont, CO 80503 is/are the inventor(s) o	of an invention entitled
DE	DUPLICATION DATABASE MA	NAGEMENT that is the subject matter of	(check all that apply)
			. 7
	a provisional application for Let	ters Patent which is identifiable in the Unit	ed States Patent and Trademark Office
*****		filed on	
\boxtimes	an application for Letters Pater	t which is identifiable in the United States	Patent and Trademark Office by
		d on <u>06-29-2017</u> and/or executed on even	
	an international application for I	etters Patent filed pursuant to the Patent	Cooperation Treaty which is
	identifiable in the United States	Receiving Office by Application No.	filed on
	; and/	or executed on even date herewith:	

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.

U.S. Assignment - Seagate Technology LLC - Confidential

Rev: 10/18/2012

166
// Michael Barrell (Inventor)
Date Date
ERLAN
lan Davies (Inventor) O7/24/2017
01/24/2017 Date
Kenneth F Day III (Inventor)
Date
Douglas Dewey (hventor)

COMBINED ASSIGNMENT-DECLARATION

Seagate Docket No.:1000-STL072957

Lo: Gr	ncreas, micriall barrell of 36 f7 bourdary Place, Longmort, CO 80503, fan Davies of 3950 Hawthorne Circle, igmont, CO 80503, Kenneth F Day III of 503 Fern Ct, Cedar Park, TX 78613 and Douglas Dewey of 950 andview Meadows Dr. #F202 Longmont, CO 80503 is/are the inventor(s) of an invention entitled DUPLICATION DATABASE MANAGEMENT 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
\square	an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 15/638,310 filed on 06-29-2017 and/or executed on even date herewith: and
3	identifiable in the United States Receiving Office by Application Nofiled on and/or executed on even date herewith:
of I US	HEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State Delaware and the United States of America, and having offices at 10200 S. De Anza Bivd, Cupertino, CA 95014 A, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, d 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.

Rev: 10/18/2012

	Date
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
lan Davies (I r	iventor)
	Date
1	
1.00	emble to explus
Ken/heth F Da	ıy iii (inventor)
	<u>5027 26, 20</u> Date
	Vate