PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4272136

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONG-MIN CHEN	11/23/2016
MADHAV MUTALIK	02/06/2017
MICAH WALDMAN	02/06/2017

RECEIVING PARTY DATA

Name:	ACTIFIO, INC.
Street Address:	333 WYMAN ST.
City:	WALTHAM
State/Country:	MASSACHUSETTS
Postal Code:	02451

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	62051138
Application Number:	62063180
Application Number:	14855545

CORRESPONDENCE DATA

Fax Number: (617)526-5000

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: 6175266000

Email: WHIPDocketStaff@wilmerhale.com

Correspondent Name: WILMERHAE

Address Line 1: 60 STATE STREET

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	2203828.169 US2
NAME OF SUBMITTER:	MICHAEL E. CONNORS
SIGNATURE:	/Michael E. Connors/
DATE SIGNED:	02/13/2017

Total Attachments: 5

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PATENT REEL: 041240 FRAME: 0909

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PATENT REEL: 041240 FRAME: 0910

ASSIGNMENT

WHEREAS, the undersigned, to wit:

(a)

Yong-Min CHEN residing at 33 Poplar Rd., Wellesley, Massachusetts 02482; Madhav MUTALIK residing at 8 Graystone Way, Southborough, Massachusetts 01772;

"APPARATUS AND COMPUTERIZED METHODS

Micah WALDMAN residing at 41 Stuart Rd., Newton, Massachusetts 02459

(hereinafter collectively ASSIGNORS), have made certain new and useful inventions as set forth in an application for United States Letters Patent, entitled:

	FOR COPY DATA MANAGEMENT"	
	x which was filed as U.S. Provisional Patent Application No.	62/051,138
	on September 16, 2014; and	
(b)	"COPY DATA TECHNIQUES"	
	x which was filed as U.S. Provisional Patent Application No.	62/063,180
	on October 13, 2014;	
(c)	"GUARDRAILS FOR COPY DATA STORAGE SETT	INGS"
	x which was filed as U.S. Patent Application No.	14/855,545
	on September 16, 2015 ;	

AND WHEREAS, Actifio, Inc. (hereinafter ASSIGNEE), a corporation having its principal place of business at 333 Wyman St., Waltham, Massachusetts 02451, is desirous of acquiring the entire right, title, and interest in and to said inventions and any and all patents that may be obtained therefor, and in and to said applications and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said inventions throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said applications, including any and all non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said inventions in the name of said ASSIGNEE, its successors, assigns, and legal representatives,

throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions, and all rights to register said inventions in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said inventions or resulting from said applications, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said applications, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which 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:

WILMER CUTLER PICKERING HALE AND DORR LLP

All practitioners at Customer Number 23483.

This ASSIGNMENT is effective as of September 16, 2014 .

Nov. 23, 2016

Yong-Min Chen

Witness:

Date Date

2 6 17 Mmit ali Date Madhav Mutalik

Witness:

Date Micah Waldman

Witness: $\frac{2-6-1}{\text{Date}}$