505393571 03/26/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5440365

Phone:(617) 570-1000Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE	Execution Date 06/10/2015 07/01/2015 06/08/2015 06/17/2015								
Name MUTHU MANIKANDAN BASKARAN RICHARD A. LETHIN BENOIT J. MEISTER NICOLAS T. VASILACHE RECEIVING PARTY DATA Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 CORRESPONDENCE DATA Fax Number: (617) 572-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE	06/10/2015 07/01/2015 06/08/2015								
MUTHU MANIKANDAN BASKARAN RICHARD A. LETHIN BENOIT J. MEISTER NICOLAS T. VASILACHE RECEIVING PARTY DATA RECEIVING PARTY DATA Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: (617)523-1231 CORRESPONDENCE DATA Fax Number: (617) 5723-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfu sing a fax number, if provided; if that is unsuccessfu, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla CODWIN PROCTER LLP Address Line 1:	06/10/2015 07/01/2015 06/08/2015								
RICHARD A. LETHIN BENOIT J. MEISTER NICOLAS T. VASILACHE RECEIVING PARTY DATA Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfu using a fax number, if provided; if that is unsuccessfu, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE	07/01/2015 06/08/2015								
BENOIT J. MEISTER NICOLAS T. VASILACHE RECEIVING PARTY DATA Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfu using a fax number, if provided; if that is unsuccessfu, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinlaw Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE	06/08/2015								
NICOLAS T. VASILACHE RECEIVING PARTY DATA Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
RECEIVING PARTY DATA Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE	06/17/2015								
Name: RESERVOIR LABS, INC. Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
Street Address: 632 BROADWAY, SUITE 803 City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
City: NEW YORK State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: 1 Number Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE 100 NORTHERN AVENUE									
State/Country: NEW YORK Postal Code: 10012 PROPERTY NUMBERS Total: Number Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
Postal Code: 10012 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfusing a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinlaw.com, tayube@goodwinlaw.com, tayube@goodwinlaw.com, tayube@goodwinlaw.com, tayube@goodwinlaw.com, tayube@goodwinlaw.com Address Line 1: 100 NORTHERN AVENUE									
PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessful using a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
Property TypeNumberApplication Number:15822996CORRESPONDENCE DATAFax Number:(617)523-1231Correspondence will be sent to the e-mail address first; if that is unsuccessfu using a fax number, if provided; if that is unsuccessful, it will be sent via USPhone:(617) 570-1000Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE									
Application Number: 15822996 CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessfu using a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
CORRESPONDENCE DATA Fax Number: (617)523-1231 Correspondence will be sent to the e-mail address first; if that is unsuccessful using a fax number, if provided; if that is unsuccessful, it will be sent via US Phone: (617) 570-1000 Email: patentbos@goodwinlaw.com, tayube@goodwinla Correspondent Name: GOODWIN PROCTER LLP Address Line 1: 100 NORTHERN AVENUE									
Fax Number:(617)523-1231Correspondence will be sent to the e-mail address first; if that is unsuccessful using a fax number, if provided; if that is unsuccessful, it will be sent via USPhone:(617) 570-1000Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE									
Fax Number:(617)523-1231Correspondence will be sent to the e-mail address first; if that is unsuccessful using a fax number, if provided; if that is unsuccessful, it will be sent via USPhone:(617) 570-1000Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE									
Correspondence will be sent to the e-mail address first; if that is unsuccessful using a fax number, if provided; if that is unsuccessful, it will be sent via USPhone:(617) 570-1000Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE									
using a fax number, if provided; if that is unsuccessful, it will be sent via USPhone:(617) 570-1000Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE	ul it will be cont								
Email:patentbos@goodwinlaw.com, tayube@goodwinlaCorrespondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE	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.								
Correspondent Name:GOODWIN PROCTER LLPAddress Line 1:100 NORTHERN AVENUE									
Address Line 1: 100 NORTHERN AVENUE	aw.com								
Address Line 1:100 NORTHERN AVENUEAddress Line 4:BOSTON, MASSACHUSETTS 02210									
Address Line 4. BOSTON, MASSACHOSETTS 02210									
ATTORNEY DOCKET NUMBER: RLI-015C1									
NAME OF SUBMITTER: SUHRID WADEKAR									
SIGNATURE: /Suhrid Wadekar/									
DATE SIGNED: 03/26/2019									
Fotal Attachments: 7									
source=Assignment#page1.tif									
source=Assignment#page2.tif source=Assignment#page3.tif									

source=Assignment#page4.tif
source=Assignment#page5.tif
source=Assignment#page6.tif
source=Assignment#page7.tif

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Muthu M. Baskaran; Richard A. Lethin; Benoit J. Meister; and Nicolas T. Vasilache (hereinafter referred to as Assignors), residing at 300 Constitution Ave, #247, Bayonne, New Jersey 07002; 320 Central Park West, Apt. 7K, New York, New York 10025; 204 W 94th St. #4A, New York, New York 10025; and 175 W 87th St., #17B, New York, New York, New York 10024, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in METHODS AND APPARATUS FOR AUTOMATIC COMMUNICATION OPTIMIZATIONS IN A COMPILER BASED ON A POLYHEDRAL REPRESENTATION, set forth in a Patent application for Letters Patent of the United States, already filed on December 12, 2012 as U.S. Application No. 13/712659; and

WHEREAS, Reservoir Labs, Inc., a corporation organized under and pursuant to the laws of Delaware having its principal place of business at 632 Broadway, Suite 803, New York, New York 10012 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

PATENT REEL: 048699 FRAME: 0043

RU-015

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors 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

PATENT REEL: 048699 FRAME: 0044

803-005

with the rules of the United States Patent and Trademark Office for recordation of this document:

GOODWIN PROCTER LLP

All practitioners at Customer Number 051414

AND Assignors acknowledge an obligation of assignment of this invention to Assignce at the time the invention was made.

PATENT REEL: 048699 FRAME: 0045

BLI-015

06/10/2015 Muthu M. Baskaran Date Witness: 小人 2015 Date PATENT REEL: 048699 FRAME: 0046

					ana
Date	<u> </u>		chard A. Leti	nin	
Witness:					
	1/1/15	<u> </u>	lichard	D. Nguy	m)
Date	1			0 0	

<u>C(8)2015</u> Date Benoit J. Meister Witness: aus 6/8/2015 Date PATENT REEL: 048699 FRAME: 0048

In reference to the Assignment by Inventors for RLI-015, I assign U.S. Application No. 13/712659, "METHODS AND APPARATUS AUTOMATIC COMMUNICATION OPTIMIZATIONS IN A COMPILER BASED ON A POLYHEDRAL REPRESENTATION" to the Assignee. <u>7 1201 S</u> Date Nicolas T. Vasilache Witness: 15 6/17 Date PATENT **RECORDED: 03/26/2019 REEL: 048699 FRAME: 0049**