

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM481208

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	02/10/2017

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Infor Retail Holdings, Inc.		06/27/2018	Corporation: DELAWARE

## RECEIVING PARTY DATA

<b>Name:</b>	LogicBlox LLC
<b>Street Address:</b>	641 Avenue of the Americas
<b>City:</b>	New York
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10011
<b>Entity Type:</b>	Limited Liability Company: DELAWARE

## PROPERTY NUMBERS Total: 3

Property Type	Number	Word Mark
<b>Registration Number:</b>	4576878	LOGIQL
<b>Registration Number:</b>	3258479	LOGICBLOX
<b>Registration Number:</b>	3312600	LOGICBLOX

## CORRESPONDENCE DATA

Fax Number: 2158325347

*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: 215-569-5347

Email: aria@blankrome.com

Correspondent Name: Zachary A. Aria, Esquire

Address Line 1: Blank Rome LLP

Address Line 2: One Logan Square, 8th Floor

Address Line 4: Philadelphia, PENNSYLVANIA 19103

<b>NAME OF SUBMITTER:</b>	Zachary A. Aria
<b>SIGNATURE:</b>	/Zachary A. Aria/
<b>DATE SIGNED:</b>	07/10/2018

## Total Attachments: 12

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NUNC PRO TUNC INTELLECTUAL PROPERTY ASSIGNMENT

This **NUNC PRO TUNC INTELLECTUAL PROPERTY ASSIGNMENT** is made this 27<sup>th</sup> day of June, 2018 (this "Assignment"), taking effect on the 10<sup>th</sup> day of February, 2017, between Infor Retail Holdings, Inc., a Delaware corporation, with an address at 641 Avenue of the Americas, New York, NY 10011 ("Assignor"), and LogicBlox LLC, a Delaware limited liability company, with an address at 641 Avenue of the Americas, New York, NY 10011 ("Assignee") (each a "Party" and collectively the "Parties").

**WHEREAS**, the Assignor and Assignee have entered into a certain Contribution Agreement, effective February 10, 2017, (the "Contribution Agreement"), pursuant to which Assignor has agreed, among other things, upon the terms and conditions set forth in the Contribution Agreement, to sell, assign, transfer, convey and deliver to Assignor certain intangible assets owned by the Assignor; and

**WHEREAS**, the parties desire to reflect, by the execution and delivery of this Assignment, the assignment and transfer by Assignor and the acceptance by Assignee of such intangible assets as identified on Schedule 1.01 attached hereto, together with all rights, title, and interest therein (the "Intellectual Property").

**NOW, THEREFORE**, Assignor and Assignee, in consideration of the mutual promises contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the parties agree as follows:

Assignor hereby sells, transfers, conveys, assigns and delivers to Assignee all rights (including without limitation, intellectual property rights), title, and interests in and to the Intellectual Property, throughout the universe, and any and all goodwill in connection therewith, together with all rights to register, renewal and extension of the Intellectual Property, to the full terms for which Assignor's rights in the Intellectual Property may be issued, the same to be held and enjoyed by Assignee, its successors and assigns to the same extent that would have been held and enjoyed by Assignor if this Assignment had not been made, including all claims for damages by reason of past infringement of the Intellectual Property with the right to use and collect the same for its own use or for the use of its successors, assigns, or other legal representatives, and Assignor reserves no such rights in the Intellectual Property.

Assignor hereby authorizes the U.S. Patent and Trademark Office, U.S. Copyright Office and any Official of any country or countries foreign to the United States whose duty it is to receive or register patents, trademarks, copyrights or applications therefor, to record Assignee as the owner of the Intellectual Property and to issue all registrations for said Intellectual Property, to be in the name of Assignee, as assignee of all of Assignor's Intellectual Property, for the sole use of Assignee, its successors, legal representatives, and assigns, in accordance with the terms of this Assignment.

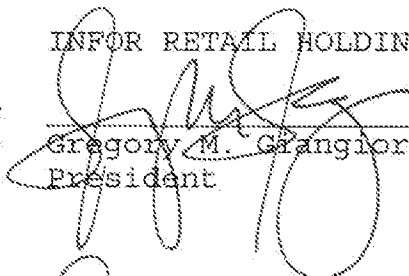
Assignor hereby waives any and all paternity, integrity, moral and other similar rights that Assignor may have now, or in the future, that are embodied in the Intellectual Property. Assignor covenants for itself and its successors and assigns to provide to Assignee, promptly upon the request of Assignee and at the expense of Assignee, all pertinent facts and documents relating to the Intellectual Property as may be known or accessible to Assignor, and to execute and deliver promptly to Assignee or its legal representative any and all papers, instruments, and affidavits required to apply for, obtain, maintain, issue, or enforce its rights in the Intellectual Property Rights which may be necessary or desirable to carry out the purposes thereof.

This Assignment is executed and delivered pursuant to the Contribution Agreement and in all respects is subject to the covenants, representations, warranties and other provisions thereof. Nothing in this Assignment, express or implied, is intended to or shall be construed to modify, expand or limit in any way the terms of the Contribution Agreement. In the event of any conflict between the provisions of this Assignment and the provisions of the Contribution Agreement, the provisions of the Contribution Agreement shall govern.

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment by their duly authorized officers.

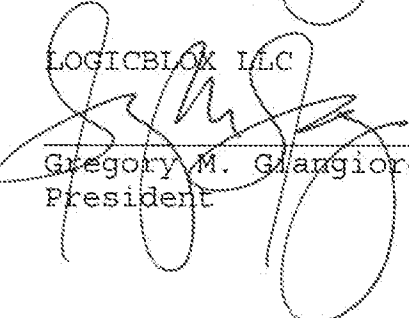
INFOR RETAIL HOLDINGS, INC.

Dated: 27 JUN 2018

By:   
Name: Gregory M. Grangiordano  
Title: President

LOGICBLOK LLC

Dated: 27 JUN 2018

By:   
Name: Gregory M. Grangiordano  
Title: President

**SCHEDULE 1.01**

**Intellectual Property**

**Patents and Patent Applications:**

Description	Application Number	Registration Number	Notes on Ownership
Leapfrog Tree-Join	14/018,930 09/05/2013	9,177,026 11/03/2015	<b>Owner</b> LogicBlox, Inc. <b>Inventor:</b> Todd L. Veldhuizen <b>Assignment of Inventor's Interest:</b> <u>Reel/Frame:</u> 031169/0926 <u>Recorded:</u> 09/05/2013
Maintenance of Active Database Queries	13/722,067 12/20/2012	Notice of Allowance received 01/13/2016	<b>Owner</b> LogicBlox, Inc. <b>Inventor:</b> Todd L. Veldhuizen <b>Assignment of Inventor's Interest:</b> <u>Reel/Frame:</u> 029511/0506 <u>Recorded:</u> 12/20/2012
Salient Sampling for Query Size Estimation	14/298,201 06/06/2014	Docketed New Case - Ready for Examination	<b>Owner</b> LogicBlox, Inc. <b>Inventor:</b> Todd L. Veldhuizen <b>Assignment of Inventor's Interest:</b> <u>Reel/Frame:</u> 033049/0067 <u>Recorded:</u> 06/06/2014
Transaction Repair	14/662,457 03/19/2015	Docketed New Case - Ready for Examination	<b>Owner</b> LogicBlox, Inc. <b>Original Inventor:</b> Todd L. Veldhuizen <b>Assignment of Assignor Interest:</b> <u>Reel/Frame:</u> 035202/0780 <u>Recorded:</u> 03/19/2015

Description	Application Number	Registration Number	Notes on Ownership
Leapfrog Tree-Join	14/919,159 10/21/2015	Docketed New Case - Ready for Examination	<b>Owner</b> LogicBlox, Inc. <b>Original Inventor:</b> Todd L. Veldhuizen <b>Assignment of Inventor's Interest:</b> <u>Reel/Frame:</u> 036919/0376 <u>Recorded:</u> 10/21/2015
Salient Sampling for Query Size Estimation	14822444 06/26/2014	Publication: EP3019985 05/18/2016	
Maintenance of Active Database Queries	13863961 12/19/2013	Publication: EP2936351 10/28/2015	
Transaction Repair	PCT US2015021404 03/19/2015	Publication: WO2015143120 09/24/2015	
Leapfrog Tree-Join	13841459 09/24/2013	Publication: EP2901311 08/05/2015	
Salient Sampling for Query Size Estimation	PCT US2014044271 06/26/2014	Publication: WO2015006061 01/15/2015	
Salient Sampling for Query Size Estimation	2917812 (not available)	Publication: CA2917812 01/15/2015	
Maintenance of Active Database Queries	PCT US2013076483 12/19/2013	Publication: WO2014100383 06/26/2014	

Description	Application Number	Registration Number	Notes on Ownership
Maintenance of Active Database Queries	2895231	Publication: CA2895231 06/26/2014	
Leapfrog Tree-Join	PCT US2013061281 09/24/2013	Publication: WO2014052257 04/03/2014	
Leapfrog Tree-Join	2885244	Publication: CA2885244 04/03/2014	
Leapfrog Tree-Join	201380050050.4 9/24/2013	Publication: CN104769576	
Leapfrog Tree-Join	237750 9/24/2013		
Leapfrog Tree-Join	2015-534590 9/24/2013	Publication: JP2015535369	
Leapfrog Tree-Join	10-2015-7010944 9/24/2013	Publication: 20150063132	
Maintenance of active database queries	201380065875.3 12/19/2013		



Description	Application Number	Registration Number	Notes on Ownership
Maintenance of active database queries	239173 12/19/2013		
Maintenance of active database queries	2015-549688 12/19/2013		
Maintenance of active database queries	10-2015-7019642 12/19/2013	Publication: KR20150098660	
Worst-case optimal algorithms for conjunctive queries with functional dependencies	62/263,387 12/4/2015		

Registered Trademarks:

Description	Serial Number	Registration Number	Notes on Ownership
LOGIQL Goods: Computer programs to use and implement data querying language for the development of applications that involve processing transactional queries, complex business workflows and event processing, mathematical optimization, and statistical learning.	85/897,601 04/08/2013	4,576,878 07/29/2014	<b>Owner</b> LogicBlox, Inc.
LOGICBLOX Goods: Computer software for a database spreadsheet and declarative application development environment for building enterprise	78/958,489 08/23/2006	3,258,479 07/03/2007	<b>Owner</b> LogicBlox, Inc.

Description	Serial Number	Registration Number	Notes on Ownership
predictive, optimization, and planning applications.			
LOGICBLOX Services: Computer software consultation; consultancy in the field of software design.	78/958,477 08/23/2006	3,312,600 10/16/2007	<b>Owner</b> LogicBlox, Inc.

Copyrights:

Description	Registration Number	Notes on Ownership
LogicBlox BeanBlox software: version 2.2	TX0006249218 2005-10-21	LogicBlox, Inc.
LogicBlox BeanBlox software: version 2.3	TX0006249209 2005-10-21	LogicBlox, Inc.
LogicBlox BloxArray software: version 2.3	TX0006249221 2005-10-21	LogicBlox, Inc.
LogicBlox BloxBBase software: version 2.2	TX0006249219 2005-10-21	LogicBlox, Inc.
LogicBlox BloxBBase software: version 2.3	TX0006249229 2005-10-21	LogicBlox, Inc.
LogicBlox BloxBBatch software: version 2.2	TX0006249220 2005-10-21	LogicBlox, Inc.
LogicBlox BloxBBatch software: version 2.3	TX0006249228 2005-10-21	LogicBlox, Inc.
LogicBlox BloxBControls software: version 2.2	TX0006249222 2005-10-21	LogicBlox, Inc.

Description	Registration Number	Notes on Ownership
LogicBlox BloxControls software: version 2.3	TX0006249212 2005-10-21	LogicBlox, Inc.
LogicBlox BloxLib software: version 2.2	TX0006255927 2005-10-21	LogicBlox, Inc. & Optimi Corporation*
LogicBlox BloxLib software: version 2.3	TX0006255925 2005-10-21	LogicBlox, Inc. & Optimi Corporation*
LogicBlox JavaBlox software: version 2.2	TX0006255928 2005-10-21	LogicBlox, Inc. & Optimi Corporation*
LogicBlox JavaBlox software: version 2.3	TX0006255926 2005-10-21	LogicBlox, Inc. & Optimi Corporation*
LogicBlox JavaBloxClient software: version 2.2	TX0006249230 2005-10-21	LogicBlox, Inc.
LogicBlox JavaBloxClient software: version 2.3	TX0006249213 2005-10-21	LogicBlox, Inc.
LogicBlox JavaBloxJni software: version 2.2	TX0006255930 2005-10-21	LogicBlox, Inc. & Optimi Corporation*
LogicBlox JavaBloxJni software: version 2.3	TX0006255929 2005-10-21	LogicBlox, Inc. & Optimi Corporation*
LogicBlox JStorm software: version 2.3	TX0006249214 2005-10-21	LogicBlox, Inc.
LogicBlox JStormLib software: version 2.2	TX0006249217 2005-10-21	LogicBlox, Inc.
LogicBlox JStormLib software: version 2.3	TX0006249215 2005-10-21	LogicBlox, Inc.
LogicBlox LicenseManager software: version 2.3	TX0006327222 2005-10-21	LogicBlox, Inc.

Description	Registration Number	Notes on Ownership
LogicBlox ManagedBlox software: version 2.2	TX0006249227 2005-10-21	LogicBlox, Inc.
LogicBlox ManagedBlox software: version 2.3	TX0006249210 2005-10-21	LogicBlox, Inc.
LogicBlox Mason software: version 2.2	TX0006249224 2005-10-21	LogicBlox, Inc.
LogicBlox Mason software: version 2.3	TX0006249226 2005-10-21	LogicBlox, Inc.
LogicBlox Platform software: version 1.0	TX0006210263 2005-09-23	LogicBlox, Inc.
LogicBlox Platform software: version 2.0 Beta	TXu001159781 2005-09-23	LogicBlox, Inc.
LogicBlox Storm software: version 2.2	TX0006249223 2005-10-21	LogicBlox, Inc.
LogicBlox Storm software: version 2.3	TX0006249211 2005-10-21	LogicBlox, Inc.
LogicBlox StormBatch software: version 2.2	TX0006255924 2005-10-21	LogicBlox, Inc.
LogicBlox StormBatch software: version 2.3	TX0006327221 2005-10-21	LogicBlox, Inc.
LogicBlox StormLib software: version 2.2	TX0006249216 2005-10-21	LogicBlox, Inc.
LogicBlox StormLib software: version 2.3	TX0006249225 2005-10-21	LogicBlox, Inc.

\*Such copyrights were assigned to LogicBlox under that certain Intellectual Property Assignment, by and between LogicBlox and Optimi Corporation dated as of March 24, 2006 ("Optimi Assignment"). On June 7, 2016, the assignments were filed with the United States Copyright Office.

Software:

<b>Title</b>	<b>Copyright</b>	<b>Date</b>	<b>Jurisdiction</b>
LogicBlox BeanBlox software 2.2	TX0006249218	2005	United States
LogicBlox BeanBlox software 2.3	TX0006249209	2005	United States
LogicBlox BloxArray software 2.3	TX0006249221	2005	United States
LogicBlox BloxBBase software 2.2	TX0006249219	2005	United States
LogicBlox BloxBBase software 2.3	TX0006249229	2005	United States
LogicBlox BloxBBatch software 2.2	TX0006249220	2005	United States
LogicBlox BloxBBatch software 2.3	TX0006249228	2005	United States
LogicBlox BloxBControls software 2.2	TX0006249222	2005	United States
LogicBlox BloxBControls software 2.3	TX0006249212	2005	United States
LogicBlox BloxBLib software: version 2.2	TX0006255927	2005	United States
LogicBlox BloxBLib software: version 2.3	TX0006255925	2005	United States
LogicBlox JavaBlox software: version 2.2	TX0006255928	2005	United States
LogicBlox JavaBlox software: version 2.3	TX0006255926	2005	United States
LogicBlox JavaBloxClient software: version 2.2	TX0006249230	2005	United States
LogicBlox JavaBloxClient software: version 2.3	TX0006249213	2005	United States
LogicBlox JavaBlox.Ini software: version 2.2	TX0006255930	2005	United States
LogicBlox JavaBlox.Ini software: version 2.3	TX0006255929	2005	United States
LogicBlox JStorm software: version 2.3	TX0006249214	2005	United States
LogicBlox JStormLib software: version 2.2	TX0006249217	2005	United States
LogicBlox JStormLib software: version 2.3	TX0006249215	2005	United States
LogicBlox ManagedBlox software: version 2.2	TX0006249227	2005	United States
LogicBlox ManagedBlox software: version 2.3	TX0006249210	2005	United States
LogicBlox Mason software: version 2.2	TX0006249224	2005	United States

Title	Copyright	Date	Jurisdiction
LogicBlox Mason software: version 2.3	TX0006249226	2005	United States
LogicBlox Storm software: version 2.2	TX0006249223	2005	United States
LogicBlox Storm software: version 2.3	TX0006249211	2005	United States
LogicBlox StormBatch software: version 2.2	TX0006255924	2005	United States
LogicBlox StormBatch software: version 2.3	TX0006327221	2005	United States
LogicBlox StormLib software: version 2.2	TX0006249216	2005	United States
LogicBlox StormLib software: version 2.3	TX0006249225	2005	United States
LogicBlox LicenseManager software: version 2.3	TX0006327222	2005	United States
LogicBlox Platform software: version 1.0	TX0006210263	2004	United States
LogicBlox Platform software: version 2.0 Beta	TXu001159781	2005	United States

Domain Names:

logicblocks.com  
logicblocks.net  
logicblox.com  
logicblox.info  
logicblox.net  
logicblox.org  
logicql.com  
logicql.info  
logicql.net  
logicql.org  
logiql.info  
logiql.org  
logixblox.com