PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3365844

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL TSUMURA	03/30/2015
IVAILO IVANOV	03/30/2015
VIREN SURESH KUMAR	03/30/2015

RECEIVING PARTY DATA

Name:	BUSINESS OBJECTS SOFTWARE LTD.
Street Address:	25/28 NORTH WALL QUAY
City:	DUBLIN 1
State/Country:	IRELAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14588022

CORRESPONDENCE DATA

Fax Number:

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.

Email:	request@slwip.com
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Address Line 1:	PO BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	2058.999US1
NAME OF SUBMITTER:	ERIKA L. WATKINS
SIGNATURE:	/ Erika L. Watkins /
DATE SIGNED:	05/22/2015

Total Attachments: 6
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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 2058.999US1   Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael Tsumura, Ivailo Ivanov, Viren Suresh Kumar

Additional name(s) of conveying party(ies) attached?

[ ]Yes [X]No

3. Nature of conveyance:

[X] Assignment   [ ] Merger
[ ] Security Agreement [ ] Change of Name
[ ] Other

Execution Date: March 30, 2015, March 30, 2015,
March 30, 2015

2. Name and address of receiving party(ies):

Name: Business Objects Software Ltd.

Street Address: 25/28 North Wall Quay

City: Dublin 1
Country: Ireland

Additional name(s) & address(es) attached? [ ]Yes [X]No

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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

     A. Patent Application No.(s)   B. Patent No.(s)

     Serial No. 14/588,022

Additional numbers attached? [ ]Yes [X]No

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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joshua E. Garfield

Address:
     Schwegman Lundberg & Woessner, P.A.
     P.O. Box 2938
     Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):$ 0.00

     []Enclosed
     []Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joshua E. Garfield/Reg. No. 58,416	/Joshua E. Garfield/	May 20, 2015
Name of Person Signing	Signature	Date

Total number of pages including cover sheet: 6

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Michael Tsumura, Ivailo Ivanov and Viren Suresh Kumar (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on December 31, 2014, which application was assigned US patent application serial number 14/588,022, and which is titled BEHAVIORALLY CONSISTENT CLUSTER-WIDE DATA WRANGLING BASED ON LOCALLY PROCESSED SAMPLED DATA.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Business·Objects Software Ltd. (the "Assignee"), having a place of business at 25/28 North Wall Quay, Dublin 1, Ireland, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:
> the Invention which is disclosed in the above-identified application or applications;

> such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

> all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

> including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

> and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 50400 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

Assignment
Assignors: Michael Tsumura et al.
Title: BEHAVIORALLY CONSISTENT CLUSTER-WIDE DATA WRANGLING BASED ON LOCALLY PROCESSED SAMPLED DATA
Page 2 of 5

Docket No. 2058.999US1
Client Ref. No. 141007US01

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignor:

(Signature):

Name: __Michael Tsumura__

City/State: __Richmond, Canada__

Date: 3/30/15

Witness:

Signature   Date   03/30/2015

Alexei Potiagalov

Full Name (Printed)

Assignment
Assignors: Michael Tsumura et al.
Title: BEHAVIORALLY CONSISTENT CLUSTER-WIDE DATA WRANGLING BASED ON LOCALLY PROCESSED SAMPLED DATA
Page 4 of 5

Docket No. 2058.999US1
Client Ref. No. 141007US01

Assignor:

(Signature):

Name: <u>Ivailo Ivanov</u>

City/State: <u>Vancouver, BC, Canada</u>

Date: Mar 30, 2015

Witness:

Signature/Date

Mohsen Asadi

Full Name (Printed)

Assignment

Docket No. 2058.999US1

Assignors: Michael Tsumura et al.

Client Ref. No. 141007US01

Title: BEHAVIORALLY CONSISTENT CLUSTER-WIDE DATA WRANGLING BASED ON LOCALLY PROCESSED SAMPLED DATA

Page 5 of 5

Assignor:

(Signature): ~V S Kumar~

Name: **Viren Suresh Kumar**

City/State: **Vancouver, BC, Canada**

Date: MAR 30, 2015

Witness:

_____
Signature/Date

Mohsen Asadi
_____
Full Name (Printed)