#### 504044939 10/11/2016

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4091600

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARK LIGHT	02/12/2009

#### **RECEIVING PARTY DATA**

Name:	WEST SERVICES INC.
Street Address:	610 OPPERMAN DRIVE
City:	EAGAN
State/Country:	MINNESOTA
Postal Code:	55123

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12806116

#### **CORRESPONDENCE DATA**

**Fax Number:** (502)614-6980

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: kduncan@dgeglaw.com

Correspondent Name: DUNCAN GALLOWAY EGAN GREENWALD

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Address Line 2: STE 210

Address Line 4: LOUISVILLE, KENTUCKY 40223

ATTORNEY DOCKET NUMBER:	113027.000060US2	
NAME OF SUBMITTER:	KEVIN T. DUNCAN	
SIGNATURE:	/Kevin T. Duncan/	
DATE SIGNED:	10/11/2016	

#### **Total Attachments: 12**

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PATENT 504044939 REEL: 039985 FRAME: 0754

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## $SCHWEGMAN \blacksquare LUNDBERG \blacksquare WOESSNER$

PATENT, TRADEMARK & COPYRIGHT ATTORNSYS

P.O. Box 2938 Minneapolis, MN 55402

Telephone (612) 373-6900

Facsimile (612) 339-3061

tenber 23, 2009

Time:

(Minneapolis, Minn.)

TO:

Commissioner for Patents

FROM: Eduardo E. Drake

OUR REF: 4962.063US1

Attn: Assignment Recordation Services

Patent Examining Corps

Facsimile Center P.O. Box 1450

Alexandria, VA 22313-1450

FAX NUMBER <u>571-273-0140</u>

Documents Transmitted:

Assignment (9 pages), Assignment Recordation Form Cover Sheet (1 page), authorization to charge Deposit Account No. 19-0743 in the amount of \$120.00 to cover the Assignment Recording Fee.

Total pages of this transmission, including cover letter: (11 pgs)

If you do NOT receive all of the pages described above, please telephone us at 612-373-6900 or fax us at 612-339-3061.

In re. Patent Application of: Marc Light et al.

Examiner:

Scrial No.: 12/341,926, 61/008,714, PCT/US2008/088040 Group Art Unit: 2161

Filed: December 22, 2008, December 21, 2007, December 22, 2008 Docket No.: 4962.063US1

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND RELATIONSHIP EXPRESSION

**REEL: 039985 FRAME: 0756** 

### SCHWEGMAN ■ LUNDBERG ■ WOESSNER

PATENT, TRADEMARK & COPYRIGHT ATTORNEYS

P.O. Box 2938

Minneapolis, MN 55402

Telephone (612) 373-6900

Facsimile (612) 339-3061

Date:

Time:

September 23, 2009

(Minneapolis, Minn.)

TO: Commissioner for Patents

Attn: Assignment Recordation Services

Patent Examining Corps

Facsimile Center P.O. Box 1450

Alexandria, VA 22313-1450

FAX NUMBER <u>571-273-0140</u>

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In re. Patent Application of: Marc Light et al.

Examiner:

FROM: Eduardo E. Drake

OUR REF: 4962.063US1

Serial No.: 12/341,926, 61/008,714, PCT/US2008/088040 Group Art Unit: 2161

Filed: December 22, 2008, December 21, 2007, December 22, 2008 Docket No.: 4962.063US1

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND RELATIONSHIP EXTRACTION

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Name: Eduard

Reg. No. 40,594

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office

on the date shown below.

Kevin Austad

Date

# RECORDATION FORM COVER SHEET PATENTS ONLY

Patent and Trademark Office Atty Ref/Docket No.: 4962.063US1 To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: West Services, Inc. Marc Light, Frank Schilder, Ravi Kumar Kondadadi, Christopher C. Dozier, Wenhui Liao and Sriharsha Street Address: 610 Opperman Drive Veeramachaneni City: Eagan State: MN Zip: <u>55123</u> Additional name(s) of conveying party(ies) attached? [ ]Yes [X]No Additional name(s) & address(es) attached? [ ]Yes [X]No 3. Nature of conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: February 12, 2009, February 12, 2009, February 13, 2009, February 12, 2009, February 4, 2009, February 12, 2009 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: B. Patent No.(s) A. Patent Application No.(s) Serial No. 12/341,926, filed December 22, 2008 Serial No. 61/008,714, filed December 21, 2007 Serial No. PCT/US2008/088040, filed December 22, 2008 Additional numbers attached? [ ]Yes [X]No 6. Total number of applications and patents involved: 3 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ <u>120.00</u> Name: Eduardo E. Drake [ ]Enclosed [X] Authorized to be charged to deposit account Address: 19-0743 Schwegman, Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402-0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 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. Eduardo E. Drake/Reg. No. 40,594 Name of Person Signing Signatu Total number of pages including cover sheet: 10 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, We, Marc Light, residing at 1804 Wellesley Avenue, St. Paul, MN 55105, and Frank Schilder, residing at 1764 Hague Avenue, St. Paul, MN 55104, and Ravi Kumar Kondadadi, residing at 3575 Lexington Avenue So., # 255, Eagan, MN 55123, and Christopher C. Dozier, residing at 4825 Knox Avenue South, Minneapolis, MN 55419, and Wenhui Liao, residing at 2893 Knox Avenue So., Apt. 502, Minneapolis, MN 55408, and Sriharsha Veeramachaneni, residing at 614 Portland Avenue, #305, St. Paul, MN 55102, made certain new and useful inventions and improvements for which we filed a provisional patent application on December 21, 2007, which application was assigned U.S. provisional patent application serial number 61/008,714, and is entitled SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND RELATIONSHIP EXTRACTION; and for which we filed an application for Letters Patent of the United States on December 22, 2008, which application was assigned U.S. patent application serial number 12/341,926, and is entitled SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND RELATIONSHIP EXTRACTION; and for which we filed an international patent application on December 22, 2008, which application was assigned international patent application serial number PCT/US2008/088040, and is entitled ENTITY, EVENT, AND RELATIONSHIP EXTRACTION;

AND WHEREAS, <u>West Services</u>, <u>Inc.</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>610</u> <u>Opperman Drive</u>, <u>Eagan</u>, <u>MN 55123</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and applications and in and to the Letters Patents to be obtained therefore;

Client Ref. No. TGR\_090

Serial Number: 61/008,714 || 12/341,926 || PCT/US2008/088040

Filing Date: December 21, 2007 | December 22, 2008 | December 22, 2008

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND

RELATIONSHIP EXTRACTION

Page 2 of 9

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid applications, and in and to the said applications, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patents which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patents on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patents of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patents for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patents, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Client Ref. No. TGR\_090

Serial Number: 61/008,714 || 12/341,926 || PCT/US2008/088040

Filing Date: December 21, 2007 || December 22, 2008 || December 22, 2008

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND RELATIONSHIP EXTRACTION

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 th day of February, 2009.

COUNTY OF Dakota

On this \_\_\_\_\_\_\_\_, 2009 before me personally appeared Marc Light, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

JACLYN SPRIEL lotary Public-State of Minnesota My Commission Expires January 31, 2011

Notary Public

Client Ref. No. TGR\_090

Serial Number: 61/008,714 | 12/341,926 | PCT/US2008/088040

Filing Date: December 21, 2007 || December 22, 2008 || December 22, 2008

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND

RELATIONSHIP EXTRACTION

Page 4 of 9

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of

Frank Schilder

COUNTY OF Dakota

12th day of February, 2009 before me personally appeared Frank Schilder, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

JACLYN SPRTEL otary Public-State of Minnesota My Commission Expires January 31, 2011

Notary Public

Client Ref. No. TGR\_090
Serial Number: 61/008,714 || 12/341,926 || PCT/US2008/088040
Filing Date: December 21, 2007 || December 22, 2008 || December 22, 2008
Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND

RELATIONSHIP EXTRACTION
Page 5 of 9

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13th day of Fe bruary, 2009.
Ravi Kumar Kondadadi
STATE OF Minnesola
COUNTY OF Dakota
On this 13th day of February, 2009 before me personally appeared Ravi Kumar
Kondadadi, to me known and known to me to be the person described in and who executed the foregoing
instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes
therein set forth.
JACLYN SPRTEL Notary Public-State of Minnesote My Commission Expires January 31, 2011  Notary Public

Client Ref. No. TGR\_090

Serial Number: 61/008,714 || 12/341,926 || PCT/US2008/088040

Filing Date: December 21, 2007 | December 22, 2008 | December 22, 2008

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND

RELATIONSHIP EXTRACTION

Page 6 of 9

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12th day of

Christopher C. Dozier

COUNTY OF Dakota

Dozier, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Notary Public

(Anstyle (, ) of

JACLYN SPRTEL lotary Public-State of Minnesota My Commission Expires January 31, 2011

**PATENT** 

REEL: 039985 FRAME: 0764

Docket No: 4962.063PRV || 4962.063US1 || 4962.063WO1
Client Ref. No. TGR\_090
Serial Number: 61/008,714 || 12/341,926 || PCT/US2008/088040
Filing Date: December 21, 2007 || December 22, 2008 || December 22, 2008
Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND RELATIONSHIP EXTRACTION
Page 7 of 9

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4th day of February, 2009.

Wenhui Liao

STATE OF Minnesota

Dakota )ss

COUNTY OF State of County of February appeared Wenhui Liao

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_ day of \_\_\_\_\_\_, 2009 before me personally appeared Wenhui Liao, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set

Forth.

JACLYN SPRTEL

Notary Public-State of Minnesota

My Commission Expires

January 31, 2011

Notary Public

Client Ref. No. TGR 090

Serial Number: 61/008,714 | 12/341,926 | PCT/US2008/088040

Filing Date: December 21, 2007 || December 22, 2008 || December 22, 2008

Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND

RELATIONSHIP EXTRACTION

Page 8 of 9

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of

Sriharsha Veeramachaneni

STATE OF Minnesoty

)ss

COUNTY OF Dakota

JACLYN SPRTEL
Notary Public-State of Minnesota
My Commission Expires
January 31, 2011

Notary Public

Client Ref. No. TGR\_090
Serial Number: 61/008,714 || 12/341,926 || PCT/US2008/088040
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Title: SYSTEMS, METHODS, AND SOFTWARE FOR ENTITY EXTRACTION AND RESOLUTION COUPLED WITH EVENT AND

RELATIONSHIP EXTRACTION

Page 9 of 9

Date

#### ACCEPTANCE OF ASSIGNMENT

WE, West Services, Inc., accept the assignment of the entire right, title and interest in and to the above-identified invention.
Signature
Name:
Title:

**PATENT REEL: 039985 FRAME: 0767** 

**RECORDED: 10/11/2016**