To the Director of the U.S. Pater. 103479216 d documents or the new address(es) below. 1. Name of conveying party(ies) Wel Du Conveying party(ies) Conve	Form PTO-1593 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)	02-04-2008		U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
1. Name of conveying party(ies) Wei Du Conveying party(ies) Conveying party(ies) Name: First American Real Estate Solutions LLC	2-1-08				
Name: First American Real Estate Solutions LLC Internal Address: Additional name(s) of conveying party(les) attached? Yes No	To the Director of the U.S. Pater.	103479:	216	d documents or the new address(es)	below.
Internal Address:	1. Name of conveying party(ies)	•	2. Name and a	address of receiving party(ies	;)
Additional name(s) of conveying party(ies) attached?	Wei Du		Name: First American Real Estate Solutions LLC		
Street Address: 1 First American Way			Internal Addre	ess:	
Security Agreement	3. Nature of conveyance/Execution Execution Date(s) 01/19/2008	Street Address: 1 First American Way			
Government Interest Assignment Executive Order 9424, Confirmatory License Other	Security Agreement Change of Name		City: Westlake		
Executive Order 9424, Confirmatory License Country: USA			State: TX		
4. Application or patent number(s): A. Patent Application No.(s) Additional numbers attached?			Country: USA	Zip: <u>76262</u>	
A. Application or patent number(s): A. Patent Application No.(s) Additional numbers attached? Yes VNo 5. Name and address to whom correspondence concerning document should be mailed: Name: Mark J. Pandiscio Internal Address: Pandiscio & Pandiscio, P.C. Authorized to be charged by credit card Authorized to be charged to deposit account (any deficiencies) Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 16-0221 Authorized User Name 188696115 18764325 Bignature O1/28/2008 Date	Other		Additional name	e(s) & address(es) attached? Ye	es 🗹 No
5. Name and address to whom correspondence concerning document should be mailed: Name: Mark J. Pandiscio Internal Address: Pandiscio & Pandiscio, P.C. Street Address: 470 Totten Pond Road City: Waltham State: MA Zip:02451 Phone Number: 781-290-0660 Fax Number: 781-290-4840 Email Address: 9. Signature: 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account (any deficiencies) None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 16-0221 Authorized User Name 01/28/2008 Date	10//84,325	Additional numbers at	tached? Tyes	√ No	PRY F
Name: Mark J. Pandiscio Internal Address: Pandiscio & Pandiscio, P.C. Internal Address: Pandiscio & Pandiscio, P.C. Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date Phone Number: 781-290-060 Fax Number: 781-290-4840 Email Address: 9. Signature Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged to deposit account In Enclosed In Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 16-0221 Authorized User Name 81 FC:8821 91.28 O1/28/2008 Date		rrespondence	6. Total numb		ed Contrage
Internal Address: Pandiscio & Pandiscio, P.C. Street Address: 470 Totten Pond Road City: Waltham State: MA Phone Number: 781-290-0060 Fax Number: 781-290-4840 Email Address: 9. Signature: Authorized to be charged by credit card Authorized to be charged to deposit account (any deficiencies) None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 16-0221 Authorized User Name 31 FC:3821 9. Signature Date	_	maneu.	· · · · · · · · · · · · · · · ·		
Street Address: 470 Totten Pond Road Enclosed (any deficiencies) None required (government interest not affecting title) State: MA		, P.C.	Authorize	ed to be charged by credit card	
State: MA Zip:02451 Phone Number: 781-290-0060 Fax Number: 781-290-4840 Email Address: 9. Signature: Authorized User Name 81 FC: 3621 01/28/2008 Date	Street Address: 470 Totten Pond Road		Enclosed	(any deficienc	cies)
Expiration Date	City: Waltham		8. Payment I	nformation	
Email Address: Deposit Account Number 16-0221	State: MA Zip:	02451	a. Credit C		
Email Address: Authorized User Name 20080115 10784325	Phone Number: 781-290-0060		h Denosit	Account Number 16-0221	
9. Signature: Authorized Oser Name	Fax Number: <u>781-290-4840</u>				
9. Signature: O1/28/2008 Date	Email Address:		Additionized Oser Marite		
	9. Signature: May	Signature	P	01/28/2008	
	Margaret N	•	•		, ,

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Name of Person Signing

EH/HDM4.REC

sheet, attachments, and documents:

ASSIGNMENT

I, Wei Du of 7835 Greeley Boulevard, Springfield, VA 22152 having invented improvements in GIS-BASED RAPID POPULATION ASSESSMENT TOOL and having executed an application for United States patent describing the same and based thereon (and I hereby authorize my attorney(s), authorized to prosecute said application, to here insert the filing date and serial number of said application, when known, Serial No. 10/784,325, filed 02/23/2004), for good and valuable consideration, receipt of which is hereby acknowledged from First American Real Estate Solutions LLC, having a place of business at 1 First American Way, Westlake, TX 76262, hereinafter called the Assignee (which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee my entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or any part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application.

And for the same consideration I do also hereby sell, assign and transfer unto the Assignee all my rights under the International Convention for the Protection of Industrial Property and all other treaties of like purpose in respect of said inventions and said application and I do hereby authorize the Assignee to apply in my name or its own name for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention or any such other treaty;

And for the same consideration I do hereby jointly and severally agree for myself and for my respective heirs, executors and administrators, promptly upon request of the Assignee, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee fully to secure to

Pandiscio & Pandiscio, P.C. 470 Totten Pond Road Waltham, MA 02451 Tel. (781) 290 0060

Jan 17 2008 5:10PM

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PATENT REEL: 020475 FRAME: 0053

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it said right, title, and interest as aforesaid in and to said inventions, application, and said several patents and like rights of exclusion, or any of them, all, however, at the expense of the Assignee;

PANDISCIO&PANDISCIO, P.C.

And I do hereby authorize and request the Commissioner of Patents of the United States of America and the corresponding Officer of each country foreign thereto to issue to the Assignee any and all patents and like rights of exclusion which may be granted in any country upon said application or on or for said inventions;

And I do hereby jointly and severally covenant for myself and for my respective legal representatives and agree with the Assignee that I have granted no right or license to make, use or sell said inventions to anyone except the Assignee, that prior to the execution of this deed my right, title and interest in and to said inventions has not been otherwise encumbered by me. and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

Wei Du

State of County of fair Lax

Before me this day of personally appeared Wei Du, who is to me personally known, and acknowledged the foregoing instrument to be his/her free act and deed.

SEAL

My commission expires: July 31-2010

CM/HDM4.ASN2

Pandiscio & Pandiscio, P.C. 470 Totten Pond Road Waltham, MA 02451 Tel. (781) 290 0060

EMAN MOUSSA **NOTARY PUBLIC** COMMONWEALTH OF VIRGINIA MY COMMISSION EXPIRES JULY 31, 2010 COMMISSION # 7041125

> PATENT REEL: 020475 FRAME: 0054

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

In le Application o

Wei Du

Serial No.:

10/784,325

Filing Date: Title:

02/23/2004 GIS-BASED RAPID POPULATION ASSESSMENT

TOOL

Group Art Unit:

2173

Examiner:

Unknown

Attorney's Docket No.:

HDM-4

Mail Stop Assignment Recordation Services Director of the United States Patent and Trademark Office P.O. Box 1450

Alexandria, VA 22313-1450

Gentlemen:

REQUEST FOR RECORDATION

Please record the enclosed Assignment of the above-identified patent application from Wei Du to First American Real Estate Solutions LLC.

Also enclosed is a check in the amount of \$40.00 to cover the cost of recording the Assignment.

If any additional fees are required in connection with this matter, please charge the same to Deposit Account No. 16-0221.

Thank you.

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

January 28, 2008

(DATE OF DEPOSIT)

Margaret M. Slezak

1

(SIGNATURE)

RECORDED: 02/01/2008

January 28, 2008

Respectfully submitted,

Margaret M. Slezak, Esq Registration No. 55,625

Pandiscio & Pandiscio 470 Totten Pond Road

Waltham, MA 02451-1914 Tel. No. (781) 290-0060

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PATENT REEL: 020475 FRAME: 0055