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103507581         To the Director of the US. Patents and Trade	OUT No 0661 0027 (avo 6/30/2005)				United States Patent and Trademark Offi
1. Name of conveying party(ies)/Execution Date(s):       2. Name and address of receiving party(ies)         Robert Denaro       Name: NAVTEQ North America LLC         Execution Date(s):       May 30, 2008         Additional name of conveying party(ies) attached? [] Yes [] No       Internal Address: Suite 1200         3. Nature of conveying party(ies) attached? [] Yes [] No       Street Address: 425 West Randolph         3. Nature of conveying party(ies) attached? [] Yes [] No       Street Address: 425 West Randolph         3. Nature of conveying party(ies) attached? [] Yes [] No       Street Address: 425 West Randolph         3. Nature of conveying party(ies) attached? [] Yes [] No       Street Address: 425 West Randolph         4. Application number(s) or patent number(s):       [] This document is being filed together with a new application.         A. Patent Application No (s)       B. Patent No (s)         5. Name and address of party to whom correspondence concerning this document should be mailed:       R. Total number of applications and patents involved: []         Name: Address: 425 West Randolph       Internal Address: May 18 4000         Internal Address: May 12 804 7020       Zip: 50506         State: IL       Zip: 50506         State: IL       Zip: 50506         Phone Number: 312-894-7020       Zip: 50506         Fank J. Kozak       Signature         Signature:       Signatu	1				
Robert Denaro         Additional name of conveying party(ies) attached?    Yes    No         Additional name of conveying party(ies) attached?    Yes    No         Street Address: Suite 1200         Assignment         Basignment         Charge of Name         Government Interest Assignment         Executive Order 9424, Confirmatory License         Other         Other         Application number(s) or patent number(s):         A Application number(s) or patent number(s):         A Name and address of party to whom correspondence concerning this document should be mailed:         Name:         Name:         Street Address:         4. Application No.(s)         S. Name and address of party to whom correspondence concerning this document should be mailed:         Name:       Frank J, Kozak         Internal Address:       2ip: 80506         Street Address:       4. Athorized to be charged to deposit account         Internal Address:       2ip: 80506         Street Address:       2ip:	To the Director of the U.S.	Patents and Trade	10	se record the attached docume	nts or the new address(es) below.
Execution Date(s) May 30, 2008         Additional name of conveying partylies) attached? [] Yes [] No         Additional name of conveying partylies) attached? [] Yes [] No         Street Address: Suite 1200         Government interest Assignment         Covernment interest Assignment         Matter in umber(s) or patent number(s):         Application No.(s)         B. Patent No.(s)         S. Name and address of party to whom correspondence concerning this document should be mailed:         Name:       Frank J. Kozak         Internal Address:		(ies)/Execution Da	ate(s):	2. Name and address o	f receiving party(ies)
Additional name of conveying partyles) attached?       Yes INO         Internal Address:       Country:         Street Address:       425 West Randolph         City:       Chicago         City:       Chicago         City:       Chicago         Covernment interest Assignment       Country:         City:       Chicago         Covernment interest Assignment       State:         Covernment interest Assignment       Country:         Covernment interest Assignment       State:         Covernment interest Assignment       Country:         Application number(s) or patent number(s):       X         Application No.(s)       B. Patent No.(s)         Anditional numbers attached?       Yes INO         S. Name and address of party to whom correspondence concerning this document should be mailed:       No.(s)         Name:       Frank J. Kozak       Street Address: NAVTEQ North Amedica LLC         Street Address:       Authorized to be charged to deposit account         Street Address:       Tabe. Stored BirKea				Name: NAVTEQ North	America LLC
3. Nature of conveyance:                Assignment			🗋 Yes 🔯 No	Internal Address: Suite 1	200
☑ Assignment       ☐ Merger         ☐ Security Agreement       ☐ Change of Name         ☐ Government Interest Assignment       ☐ Change of Name         ☐ Government Interest Assignment       ☐ Change of Name         ☐ Cher	2 Noture of conveyance:			Street Address: 425 We	est Randolph
City: Chicago         State: IL         State: IL         City: Chicago         State: IL         Signature:         Signature:         Signature:         Signature:         Signature:         Signature: <td></td> <td>Marra</td> <td></td> <td></td> <td></td>		Marra			
□       Government interest Assignment         □       Executive Order 9424, Confirmatory License         □       Other		- •		City: Chicago	` 
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4. Application number(s) or patent number(s):          ∑ This document is being filed together with a new application.          A. Patent Application No.(s)          ∑ This document is being filed together with a new application.          A. Patent Application No.(s)          В. Patent No.(s)          Additional numbers attached?          ∑ Yes          No          S. Name and address of party to whom correspondence concerning this document should be mailed:           6. Total number of applications and patents involved:          Name:       Frank J. Kozak          7. Total fee (37 CFR 1.21(h) & 3.41) & \$40.00.          Internal Address:       NAVTEQ North America LLC           Suite 900            Authorized to be charged by credit card          Street Address:          Zip: 60506           None required (government interest not affecting title)          City:          Zip: 60506           Regenent information         a. 6%6%76%9% DBYRKEast 866999698759972A         1215627         81 FC:6821           1215627         81 FC:6821          Frank J. Kozak          Signature           Signature           Signature	Executive Order 9424	, Confirmatory Lice	ense	Country: USA	Zip <u>: 60606</u>
A. Patent Application No.(s)       B. Patent No.(s)         Additional numbers attached?       Yes Z No         S. Name and address of party to whom correspondence concerning this document should be mailed:       6. Total number of applications and patents involved:         Name:       Frank J. Kozak       7. Total fee (37 CFR 1.21(h) & 3.41)       \$ 40.00.         Internal Address:       NAVTEQ North America LLC       Authorized to be charged to deposit account         Suite 900       City: Chicago       Authorized to be charged to deposit account         Street Address: 425 West Randolph       Enclosed       None required (government interest not affecting title)         City:       Chicago       Xin:       State: IL         State:       IL       Zip: 60605       None required (government interest not affecting title)         Fax Number:       312-894-7000       R       Payment information         a.       50-605/28       Lexie:       Lexie:         Fax Number:       312-894-7228       Deposit Account Number S0-0728         Email Address:       frank.kozak@navteq.com       Signature       Signature         9. Signature:       Signature       Signature       Signature         Frank J. Kozak       Signature       Date	Other			Additional Name(s) & add	dress(es) attached? 🗋 Yes 🛛 No
5. Name and address of party to whom correspondence concerning this document should be mailed:       6. Total number of applications and patents involved: []         Name:       Frank J. Kozak       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00.         Internal Address:       NAVTEQ North America LLC       □         Suite 900       □       □         Street Address:       425 West Randolph       □         City: Chicago       □       None required (government interest not affecting title)         State:       IL       Zip: 60606         Phone Number:       312-894-7000       B. Payment Information         a. 654697 C694 DBYRNEast 86669856-5469228       1215627         Ø1 FC:8821       Explain plate       b. Deposit Account Number 50-0728         Authorized User Name       Debra Huffman         9. Signature       Signature       Signature					
concerning this document should be mailed:         Name:       Frank J. Kozak         Internal Address:       NAVTEQ North America LLC         Suite 900       Authorized to be charged by credit card         Suite 900       Authorized to be charged to deposit account         Street Address:       425 West Randolph         City:       Chicago         State:       IL         State:       Zip: 60606         Phone Number:       312-894-7000         Fax Number:       312-894-7228         Email Address:       frank.kozak@navteq.com         9. Signature:       Signature         Signature       Signature         Signature       Signature		s)		B. Patent No.(s)	
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Suite 900       Xuthorized to be charged to deposit account         Street Address: 425 West Randolph       Enclosed         City: Chicago       None required (government interest not affecting title)         State: IL       Zip: 60606         Phone Number: 312-894-7000       8. Payment Information         Fax Number: 312-894-7228       a. 646897 C6849 JBYRNEast 8660660 Project 568728         Email Address: frank.kozak@navteg.com       b. Deposit Account Number 50-0728         Authorized User Name Debra Huffman       Signature         9. Signature :       Signature         Frank J. Kozak       Total number of pages including cover	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of par</li> </ul>	Addition	spondence	ached? 🗋 Yes 🛛 No	cations and patents involved: 1
Street Address: 425 West Randolph	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of par concerning this documer</li> </ul>	Addition	spondence	ached? 🗋 Yes 🛛 No 6. Total number of appli	
City: Chicago       Image: State: IL       Zip: 60606         State: IL       Zip: 60606         Phone Number: 312-894-7000       8. Payment Information         a. 65691/C640 DBYRNEast 86909059:599728       1215627.         Fax Number: 312-894-7228       8. Payment Information         Email Address: frank.kozak@navteq.com       b. Deposit Account Number 50-0728         Authorized User Name Debra Huffman       Signature         9. Signature:       Signature         Frank J. Kozak       Total number of pages including cover	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of par concerning this documer Name: Frank J. Kozak</li> </ul>	Addition rty to whom corre nt should be maile	ed:	ached? 📋 Yes 🛛 No 6. Total number of appli 7. Total fee (37 CFR 1.21	i(h) & 3.41) \$ <u>40.00.</u>
City: Chicago       State: IL       Zip: 60606         Phone Number : 312-894-7000       a. 64691/2094 JBYRNEast 8600905 r549728         Fax Number: 312-894-7228       a. 64691/2094 JBYRNEast 8600905 r549728         Email Address: frank.kozak@navteq.com       b. Deposit Account Number 50-0728         Authorized User Name Debra Huffman         9. Signature:       Signature         Frank J. Kozak       Signature	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of parconcerning this documer</li> <li>Name: Frank J. Kozak</li> <li>Internal Address: NAVTEQ No.</li> </ul>	Addition rty to whom corre nt should be maile	ed:	ached? ☐ Yes ⊠ No 6. Total number of appli 7. Total fee (37 CFR 1.24 ☐ Authorized to be	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card
State:       IL       Zip: 60606         Phone Number:       312-894-7000         Fax Number:       312-894-7228         Email Address:       frank.kozak@navteq.com         9. Signature:       Signature         Frank J. Kozak       Signature	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of parconcerning this documer</li> <li>Name: Frank J. Kozak</li> <li>Internal Address: NAVTEQ No.</li> <li>Suite 900</li> </ul>	Addition rty to whom corre nt should be maile orth America LLC	ed:	ached? ☐ Yes ⊠ No 6. Total number of appli 7. Total fee (37 CFR 1.21 ☐ Authorized to be ⊠ Authorized to be	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card
State: IL       Zip: 60606         Phone Number: 312-894-7000       a. 6489/ 6840 JBYRNEast 64660659 r560728         Fax Number: 312-894-7228       a. 6489/ 6840 JBYRNEast 64660659 r560728         Email Address: frank.kozak@navteq.com       b. Deposit Account Number 50-0728         Authorized User Name Debra Huffman         9. Signature :       5-30-05         Signature       Date         Frank J. Kozak       Total number of pages including cover	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of parconcerning this documer</li> <li>Name: Frank J. Kozak</li> <li>Internal Address: NAVTEQ No.</li> <li>Suite 900</li> </ul>	Addition rty to whom corre nt should be maile orth America LLC	ed:	ached? Yes No 6. Total number of appli 7. Total fee (37 CFR 1.21 Authorized to be Authorized to be Enclosed	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card charged to deposit account
Pax Number:       312-034-7228         Email Address:       frank.kozak@navteq.com         b. Deposit Account Number       50-0728         Authorized User Name       Debra Huffman         9. Signature :	<ul> <li>A. Patent Application No.(s</li> <li>5. Name and address of parconcerning this documer</li> <li>Name: Frank J. Kozak</li> <li>Internal Address: NAVTEQ No.</li> <li>Suite 900</li> <li>Street Address: 425 West Rate</li> </ul>	Addition rty to whom corre nt should be maile orth America LLC	ed:	ached?       Yes       No         6. Total number of appli         7. Total fee (37 CFR 1.21         Authorized to be         Authorized to be         Authorized to be         Enclosed         None required (9)	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card charged to deposit account
Email Address: frank.kozak@navteq.com          9. Signature :	A. Patent Application No.(s 5. Name and address of par concerning this documer Name: Frank J. Kozak Internal Address: NAVTEQ No Suite 900 Street Address: 425 West Rai City: Chicago State: IL	Addition rty to whom corre- nt should be maile orth America LLC andolph Zip: <u>60606</u>	ed:	ached?       Yes       No         6. Total number of appli         7. Total fee (37 CFR 1.24)         I Authorized to be         X Authorized to be         I Enclosed         None required (g         8. Payment Information	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card charged to deposit account overnment interest not affecting title) BYRNEast <b>BODDBDDerSUB728</b> 1215627
Frank J. Kozak Signature State Total number of pages including cover	A. Patent Application No.(s 5. Name and address of par concerning this documer Name: Frank J. Kozak Internal Address: NAVTEQ No Suite 900 Street Address: 425 West Rat City: Chicago State: IL Phone Number : 312-894-700	Addition rty to whom corre- nt should be maile orth America LLC andolph Zip: <u>60606</u> 00	ed:	ached?       Yes       No         6. Total number of appli         7. Total fee (37 CFR 1.21)         Authorized to be         Authorized to be         Authorized to be         Enclosed         None required (9)         8. Payment information         a. %/@%/?%%/D         %1 FC:8021	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card charged to deposit account overnment interest not affecting title) BYRNEast <b>BUBBBBBB 1508728</b> Expiration Date
Frank J. Kozak Total number of pages including cover	A. Patent Application No.(s 5. Name and address of par concerning this documer Name: Frank J. Kozak Internal Address: <u>NAVTEQ No</u> <u>Suite 900</u> Street Address: <u>425 West Ra</u> City: <u>Chicago</u> State: <u>IL</u> Phone Number : <u>312-894-700</u> Fax Number: <u>312-894-7228</u>	Addition Inty to whom corre- Int should be maile Orth America LLC Andolph Zip: <u>60606</u>	ed:	ached?       Yes       No         6. Total number of appli         7. Total fee (37 CFR 1.24)         Authorized to be         Authorized to be         Authorized to be         Enclosed         None required (9)         8. Payment Information         a. 55(99) (2994)         01 FC:8021         b. Deposit Accord	I(h) & 3.41) \$ <u>40.00.</u> charged by credit card charged to deposit account overnment interest not affecting title) BYRNEast <b>BUERDED SUB728</b> Expiration Date but Number <u>50-0728</u>
	A. Patent Application No.(s 5. Name and address of par concerning this documer Name: Frank J. Kozak Internal Address: <u>NAVTEQ No</u> Suite 900 Street Address: <u>425 West Ra</u> City: <u>Chicago</u> State: <u>IL</u> Phone Number : <u>312-894-700</u> Fax Number: <u>312-894-7228</u> Email Address: <u>frank.kozak@</u>	Addition Inty to whom corre- Int should be maile Dorth America LLC Andolph Zip: <u>60606</u> 00 20 20 20 20 20 20 20 20 20	ed:	ached?       Yes       No         6. Total number of appli         7. Total fee (37 CFR 1.24)         Authorized to be         Authorized to be         Authorized to be         Enclosed         None required (9)         8. Payment Information         a. 55(99) (2994)         01 FC:8021         b. Deposit Accord	I(h) & 3.41)       \$ 40.00.         charged by credit card         charged to deposit account         overnment interest not affecting title)         BYRNEast 8000000000000000000000000000000000000

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PATENT REEL: 021084 FRAME: 0453

## <u>ASSIGNMENT</u>

WHEREAS, ROBERT DENARO, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled "DATA MINING IN A DIGITAL MAP DATABASE TO IDENTIFY BLIND INTERSECTIONS ALONG ROADS AND ENABLING PRECAUTIONARY ACTIONS IN A VEHICLE", for which the DECLARATION FOR PATENT APPLICATION has been executed on even date herewith;

WHEREAS, NAVTEQ North America, LLC, a corporation organized and existing under the laws of the State of DELAWARE, having a place of business at CHICAGO, ILLINOIS, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Hundred Dollars (\$100.00) per Assignor, and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenant and agree, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

Kall P. Duno 5/30/08 DATE

STATE OF ILLIN	DIS)	
	) Ss.	
COUNTY OF CO		
·	,	
I. Debra Huffman	A Notary Public in and for the Co	unty and State aforesaid, do hereby certify that
Robert Denaro, personally know	to me to be the same person whose	name is subscribed to the foregoing
instrument, appeared before met	his day in person and acknowledged	that (s)he signed, sealed and delivered the said
instrument as his/her free and vo	luntary act for the uses and purposes	therein set forth.
IN WITNESS WHERE	OF. Lhave hereunto set my hand and	Notarial Seal, this 30 Juday of May, 2008.
	OFFICIAL SEAL	Delas Hulana
		Notary Public
	2 DEBRA HUFFMAN	Notary Public C
	S NOTARY PUBLIC - STATE OF ILLINOIS	
(SEAL)	MY COMMISSION EXPIRES:09/20/11	
My Commission Expires:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•