

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Terrence Matthew Pallotto</td> <td>09/04/2007</td> </tr> <tr> <td>Michael Richard Ostrom</td> <td>09/04/2007</td> </tr> <tr> <td>Tommy Allen Stehle</td> <td>09/04/2007</td> </tr> <tr> <td>Christopher James Simon</td> <td>09/04/2007</td> </tr> </tbody> </table>		Name	Execution Date	Terrence Matthew Pallotto	09/04/2007	Michael Richard Ostrom	09/04/2007	Tommy Allen Stehle	09/04/2007	Christopher James Simon	09/04/2007
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>HNTB Holdings Ltd</td> </tr> <tr> <td>Street Address:</td> <td>715 Kirk Drive</td> </tr> <tr> <td>City:</td> <td>Kansas City</td> </tr> <tr> <td>State/Country:</td> <td>MISSOURI</td> </tr> <tr> <td>Postal Code:</td> <td>64105</td> </tr> </table>		Name:	HNTB Holdings Ltd	Street Address:	715 Kirk Drive	City:	Kansas City	State/Country:	MISSOURI	Postal Code:	64105
Name:	HNTB Holdings Ltd										
Street Address:	715 Kirk Drive										
City:	Kansas City										
State/Country:	MISSOURI										
Postal Code:	64105										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12914778</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12914778						
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Application Number:	12914778										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (816)421-5547</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 816-474-6550</p> <p>Email: tquick@shb.com</p> <p>Correspondent Name: Shook Hardy &amp; Bacon</p> <p>Address Line 1: 2555 Grand Blvd.</p> <p>Address Line 4: Kansas City, MISSOURI 64108</p>											
ATTORNEY DOCKET NUMBER:	HNTB.157262										
NAME OF SUBMITTER:	Cory W. Fisher										
<p>Total Attachments: 39</p> <p>source=Assignment#page 1.tif</p>											

OP \$40.00 12914778

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**PATENT**  
**REEL: 025632 FRAME: 0707**

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 12/914,778 Confirmation No. 6446  
 Applicant : Tommy Allen Stehle, et al.  
 Filed : 10/28/2010  
 Title : OPTIMIZING TRAFFIC PREDICTIONS AND ENHANCING  
 NOTIFICATIONS  
 Group Art Unit : 3661  
 Examiner :  
 Docket No. : HNTB.157262  
 Customer No. : 05251

**VIA EFS – January 13, 2011**

Assignment Division  
 Commissioner for Patents  
 P. O. Box 1450  
 Alexandria, VA 22313-1450

**ASSIGNMENT COVER LETTER**

Applicants respectfully submit documentation showing the chain of title relevant to this application from the original inventors ultimately to HNTB Holdings Ltd. Exhibits A-M are explained in the table below. Further, “Diagram 1” is provided at the end to help the reader understand the information below; though it is not meant nor does it change any actual title if interpretations of it happen to conflict with the actual wording of the various assignment documents and underlying substantive rights.

Exhibit	Appl	From	To	Rec. Date	Reel/Frame
A	11/766,607	Inventors	HNTB Holdings Ltd	Sep 6, 2007	019792/0774
C	11/316,567	Inventors	HNTB Corp.	Mar 10, 2006	017288/0231
E (typos)	11/316,567	HNTB Corp.	HNTB Holdings Ltd	Mar 31, 2009	022478/0705
G	11/316,567	HNTB Corp.	HNTB Holdings Ltd	Sep 28, 2010	025052/0272
I	11/316,135	Inventors	HNTB Corp.	Mar 10, 2006	017288/0173
K (typos)	11/316,135	HNTB Corp.	HNTB Holdings Ltd	Mar 31, 2009	022478/0705
M	11/316,135	HNTB Corp.	HNTB Holdings Ltd	Sep 29, 2010	025059/0342

This application is a Continuation of U.S. Application No. 11/766,607 (now U.S. Patent No. 7,849,031) (*see attached Exhibits A through B*) filed on June 21, 2007, which

1) is a Continuation-in-Part of two U.S. nonprovisional applications: the first having serial number 11/316,567 (*see attached Exhibits C through H*), attorney docket number HNTB.118079, filed on December 21, 2005, which claims the benefit of U.S. Provisional Application No. 60/639,060 and U.S. Provisional Application No. 60/638,739, both filed on December 22, 2004; and the second having serial number 11/316,135 (*see attached Exhibits I through N*), attorney docket number HNTB.118078, also filed on December 21, 2005, which also claims the benefit of U.S. Provisional Application No. 60/638,739 and U.S. Provisional Application 60/639,060, both filed on December 22, 2004,

2) claims the benefit of U.S. Provisional Application No. 60/828,949, filed October 10, 2006, also having attorney docket number HNTB.129507; and

3) also claims the benefit of U.S. Provisional Application No. 60/828,934, filed October 10, 2006, having attorney docket number HNTB.127436.

#### **Documents related to U.S. Application No. 11/766,607 (“the ‘607 Application”)**

The ‘607 Application is this application’s parent. Exhibit A is an executed assignment (filed on September 6, 2007) that memorializes the inventors assigning the rights described therein to HNTB Holdings Ltd. Exhibit B is A’s corresponding Notice of Recordation.

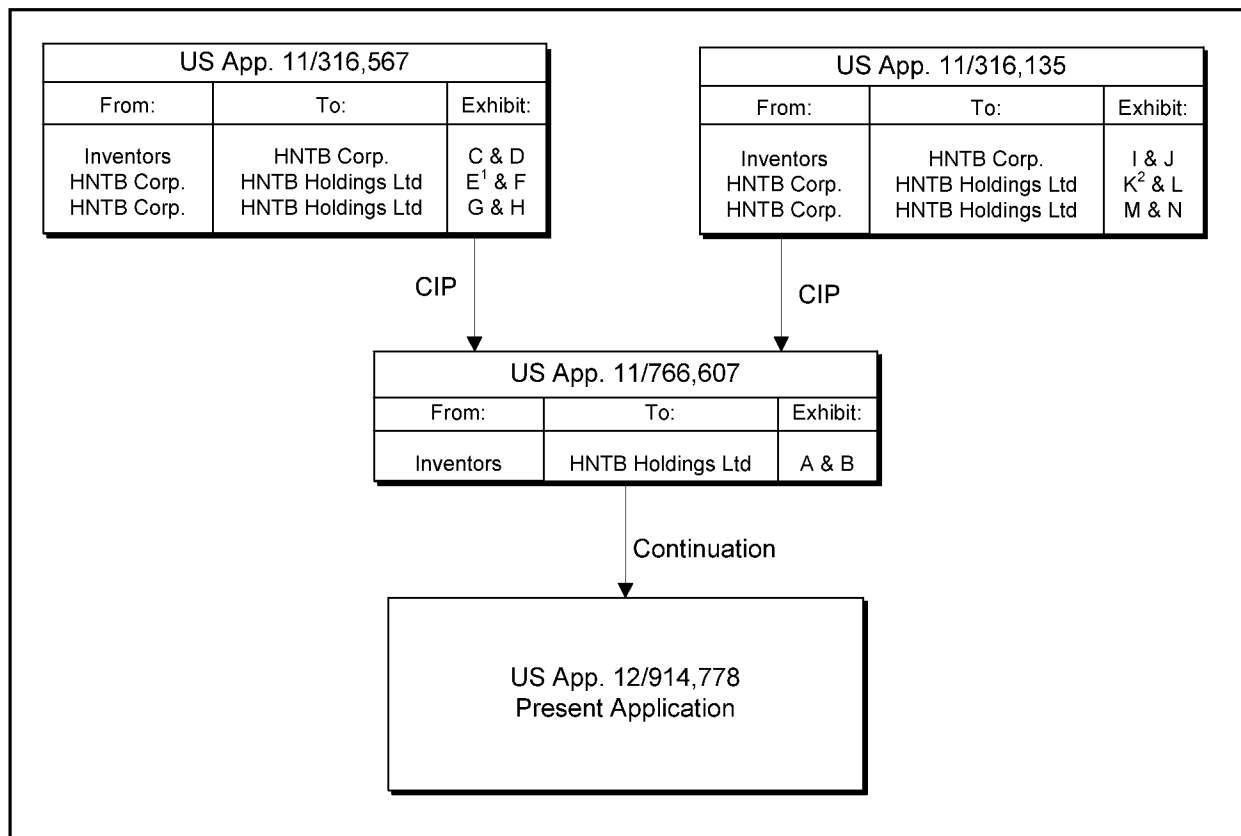
#### **Documents related to U.S. Application No. 11/316,567 (“the ‘567 Application”)**

Rights associated with the ‘567 Application flowed first from the inventors to HNTB Corporation (“HNTB Corp.”). See Exhibit C and its corresponding Notice of Recordation, Exhibit D. Finally, rights flowed from HNTB Corp. to HNTB Holdings Ltd by way of Exhibit E, which included a clerical error that was corrected by Exhibit G. Their respective Notices of Recordations are Exhibits F & H.

#### **Documents related to U.S. Application No. 11/316,135 (“the ‘135 Application”)**

Rights associated with the ‘135 Application flowed first from the inventors to HNTB Corp. See Exhibit I and its corresponding Notice of Recordation, Exhibit J. Finally,

rights flowed from HNTB Corp. to HNTB Holdings Ltd by way of Exhibit K, which included a clerical error that was corrected by Exhibit M. Their respective Notices of Recordations are Exhibits L & N.



*Diagram 1*

Respectfully submitted,

/Cory W. Fisher/

Cory W. Fisher  
Reg. No. 59,366

CWF/tq  
SHOOK, HARDY & BACON L.L.P.  
2555 Grand Blvd.  
Kansas City, MO 64108-2613  
816-474-6550

<sup>1</sup> Exhibit E includes an inadvertent clerical error that was subsequently corrected in Exhibit G

<sup>2</sup> Exhibit K includes an inadvertent clerical error that was subsequently corrected by Exhibit M

**ASSIGNMENT****NAMED INVENTORS:**

- **TERRENCE MATTHEW PALLOTTO**, of Kansas City, in the County of Jackson, and State of Missouri;
- **MICHAEL RICHARD OSTROM**, of Blue Springs, in the County of Jackson, and State of Missouri;
- **TOMMY ALLEN STEHLE**, of Kansas City, in the County of Clay, and State of Missouri; and
- **CHRISTOPHER JAMES SIMON**, of Shawnee, in the County of Johnson, and State of Kansas.

I hereby declare that I am an original, first, and joint inventor of the invention entitled:

**OPTIMIZING TRAFFIC PREDICTIONS AND ENHANCING NOTIFICATIONS**

described in an application for Letters Patent of the United States of America, having application number 11/766,607, and being filed on June 21, 2007.

WHEREAS, HNTB Holdings Ltd, ("HNTB") a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **TERRENCE MATTHEW PALLOTTO**, **MICHAEL RICHARD OSTROM**, **TOMMY ALLEN STEHLE**, and **CHRISTOPHER JAMES SIMON** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said HNTB Holdings Ltd the full and exclusive right, title and interest, throughout the world, in, to and under:

- said invention as set forth and described in the specification prepared and executed by us on even date herewith preparatory to obtaining Letters Patent of the United States therefore;
- said application;
- any and all refilings, divisions, continuations and the like of said application;
- any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations;

## PATENT ASSIGNMENT

**"OPTIMIZING TRAFFIC PREDICTIONS AND ENHANCING NOTIFICATIONS"**

Assignors: Terrence Matthew Pallotto, Michael Richard Ostrohm, Tommy Allen Stehle, and Christopher James Simon  
Assignee HNTB Holdings Ltd

---

- any and all reissues of said Letters Patent of the United States of America;
- any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;
- any and all refilings, divisions and continuations of said foreign-filed applications;
- any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and
- any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

All of the aforementioned to be held and enjoyed by HNTB for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted.

I agree that, when requested, I will, without charge to HNTB, but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said limited partnership, its successors, assigns or nominees.

I agree that I will communicate to HNTB or its representatives any facts known to me respecting said inventions and when requested by said limited partnership and at its expense will testify in any legal proceedings, and generally do everything possible to aid said limited partnership, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower HNTB, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

## PATENT ASSIGNMENT

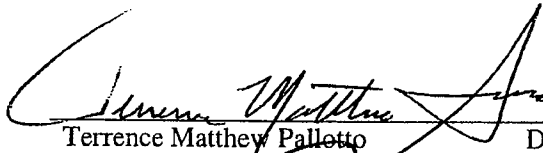
**"OPTIMIZING TRAFFIC PREDICTIONS AND ENHANCING NOTIFICATIONS"**

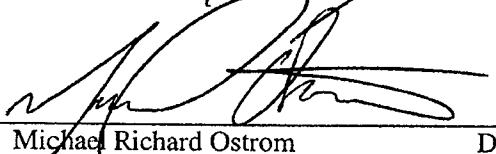
Assignors: Terrence Matthew Pallotto, Michael Richard Ostrohm, Tommy Allen Stehle, and  
Christopher James Simon  
Assignee HNTB Holdings Ltd

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the HNTB or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with HNTB, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

 9/4/07  
Terrence Matthew Pallotto Date

 9/4/07  
Michael Richard Ostrohm Date

\_\_\_\_\_  
Tommy Allen Stehle Date

\_\_\_\_\_  
Christopher James Simon Date

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007,  
before me, a notary public in and for said state,  
personally appeared \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

to me personally known, who being duly sworn,  
acknowledged that he/they had executed the  
foregoing instrument for purposes therein mentioned  
and set forth.

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires: \_\_\_\_\_



## PATENT ASSIGNMENT

**"OPTIMIZING TRAFFIC PREDICTIONS AND ENHANCING NOTIFICATIONS"**

Assignors: Terrence Matthew Pallotto, Michael Richard Ostrohm, Tommy Allen Stehle, and Christopher James Simon  
 Assignee HNTB Holdings Ltd

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the HNTB or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with HNTB, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

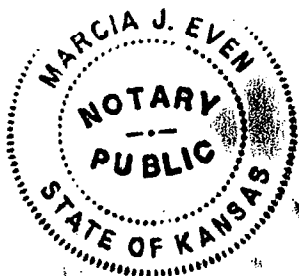
\_\_\_\_\_  
 Terrence Matthew Pallotto Date

\_\_\_\_\_  
 Michael Richard Ostrom Date

Tommy Stehle 7-4-07  
 Tommy Allen Stehle Date

Christopher James Simon 7-4-07  
 Christopher James Simon Date

STATE OF <u>Kansas</u>	)
	)ss.
COUNTY OF <u>Johnson</u>	)
On this <u>4th</u> day of <u>September</u> , 2007,	
before me, a notary public in and for said state,	
personally appeared <u>Tommy Allen Stehle and Christopher James Simon</u>	
_____	
_____	
_____	
to me personally known, who being duly sworn,	
acknowledged that he/they had executed the	
foregoing instrument for purposes therein mentioned	
and set forth.	
<u>Marcia J. Even</u>	
NOTARY PUBLIC	
My Commission Expires: <u>July 18, 2009</u>	



TO:SHOOK, HARDY & BACON L.L.P. , COMPANY:2555 GRAND BLVD.

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 06, 2007

PTAS



\*500349073A\*

SHOOK, HARDY & BACON L.L.P.  
2555 GRAND BLVD.  
KANSAS CITY, MO 64108

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/06/2007

REEL/FRAME: 019792/0774

NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: HNTB.129507

## ASSIGNOR:

PALLOTTO, TERRENCE MATTHEW

DOC DATE: 09/04/2007

## ASSIGNOR:

OSTROM, MICHAEL RICHARD

DOC DATE: 09/04/2007

## ASSIGNOR:

STEHLE, TOMMY ALLEN

DOC DATE: 09/04/2007

## ASSIGNOR:

SIMON, CHRISTOPHER JAMES

DOC DATE: 09/04/2007

## ASSIGNEE:

HNTB HOLDINGS LTD  
715 KIRK DRIVE

TO:SHOOK, HARDY & BACON L.L.P. COMPANY:2555 GRAND BLVD.

KANSAS CITY, MISSOURI 64105

019792/0774 PAGE 2

SERIAL NUMBER: 11766607

FILING DATE: 06/21/2007

PATENT NUMBER:

ISSUE DATE:

TITLE: OPTIMIZING TRAFFIC PREDICTIONS AND ENHANCING NOTIFICATIONS

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

ASSIGNMENT


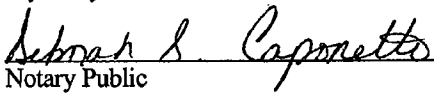
INVENTORS: Tommy Allen Stehle  
Terrance Matthew Pallotto  
Christopher James Simon  
Timm J. Claudon

I hereby declare that I am an original first and joint inventor of the invention entitled "RETRIEVING AND PRESENTING DYNAMIC TRAFFIC INFORMATION" described in an application for Letters Patent of the United States of America, executed by me on even date with my execution of this Assignment; and

WHEREAS, HNTB Corporation, a Delaware corporation, having a place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri, is desirous of acquiring the entire right, title and interest in, to, and under said invention, said application, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, TOMMY ALLEN STEHLE, TERRANCE MATTHEW PALLOTTO, CHRISTOPHER JAMES SIMON AND TIMM J. CLAUDON, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said HNTB Corporation the full and exclusive right, title and interest, throughout the world, in, to and under said invention as fully set forth and described in the above-identified application; in, to and under said application; in, to and under any and all refilings, divisions and continuations of said application; in, to and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said

invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said \* for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

EXECUTED this <u>20</u> day of <u>December</u> , 2005.	
	 TOMMY ALLEN STEHLE
STATE OF MISSOURI	:
COUNTY OF <u>Jackson</u>	: ss.
Before me personally appeared TOMMY ALLEN STEHLE, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.	
SEAL	 Notary Public
My Commission Expires:	
<u>8/21/06</u>	

EXECUTED this 20<sup>th</sup> day of December, 2005.

  
TERRENCE MATTHEW PALLOTTO

STATE OF MISSOURI :

COUNTY OF Jackson :

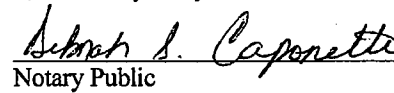
ss.

Before me personally appeared CT TERRENCE MATTHEW PALLOTTO, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

SEAL

My Commission Expires:

8/21/06

  
Notary Public

EXECUTED this 20 day of DECEMBER, 2005.

  
CHRISTOPHER JAMES SIMON

Missouri  
STATE OF ~~KANSAS~~ :

COUNTY OF Jackson :

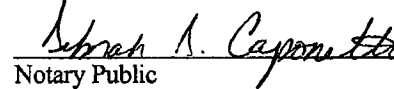
ss.

Before me personally appeared CHRISTOPHER JAMES SIMON, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

SEAL

My Commission Expires:

8/21/06

  
Notary Public

EXECUTED this 20<sup>th</sup> day of December, 2005.

  
TIMM J. CLAUDON

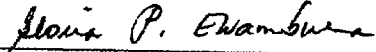
STATE OF ILLINOIS :

COUNTY OF DuPage :

: ss.

\*\*\*\*\*  
"OFFICIAL SEAL"  
\*\*\*\*\*  
GLORIA P. ELVAMBUENA  
Notary Public, State of Illinois  
My Commission Expires 2/3/07  
\*\*\*\*\*

Before me personally appeared TIMM J. CLAUDON, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

  
Notary Public

SEAL

My Commission Expires:

2-3-07

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 10, 2006

PTAS

**\*500084154A\***

SHOOK, HARDY & BACON L.L.P.  
2555 GRAND BLVD.  
KANSAS CITY, MO 64108-2613

**\*500084154A\***

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RECORDATION DATE: 03/10/2006

REEL/FRAME: 017288/0231  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: HNTB.118079

## ASSIGNOR:

STEHLE, TOMMY ALLEN

DOC DATE: 12/20/2005

## ASSIGNOR:

PALLOTTO, TERRENCE MATTHEW

DOC DATE: 12/20/2005

## ASSIGNOR:

SIMON, CHRISTOPHER JAMES

DOC DATE: 12/20/2005

## ASSIGNOR:

CLAUDON, TIMM J.

DOC DATE: 12/20/2005

RECEIVED BY SHB

MAR 13 2006

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.uspto.gov

PATENT

D

REEL: 025632 FRAME: 0722



017288/0231 PAGE 2

## ASSIGNEE:

HNTB CORPORATION  
715 KIRK DRIVE  
KANSAS CITY, MISSOURI 64105-1310

SERIAL NUMBER: 11316567

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: RETRIEVING AND PRESENTING DYNAMIC TRAFFIC INFORMATION

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

**ASSIGNMENT**

Assignee: **HNTB Corporation**, a Delaware corporation, having a place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

Assignor: **HNTB Holdings Ltd**, a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

This assignment document relates to the following patent applications:

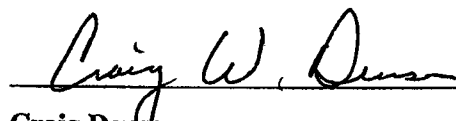
Title	App. Serial No	Filing Date	Client Docket	Prior Assignment
Geometry Creation Tool	11/313,520	12/21/2005	118077	Reel: 017287 Frame: 0791
Communication Of Project Information	11/316,135	12/21/2005	118078	Reel: 017288 Frame: 0173
Retrieving And Presenting Dynamic Traffic Information	11/316,567	12/21/2005	118079	Reel: 017288 Frame: 0231
Method And System For Presenting Traffic-Related Information	11/314,607	12/21/2005	118080	Reel: 017288 Frame: 0617

WHEREAS, HNTB Holdings Ltd, a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri, is desirous of acquiring an interest in, to and under said inventions, said Patent Applications, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **HNTB Corporation** has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **HNTB Holdings Ltd.** the full and exclusive right, title and interest, throughout the world, in, to and under said inventions described in the above-identified Patent Applications and/or provisionals; in, to and under said Patent Applications in, to and under any and all provisional patent applications, refilings, divisions and continuations of said application; in, to

and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said **HNTB Holdings Ltd.** for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

Statement under 37 C.F.R. § 3.73(b): **HNTB Corporation** is the assignee of the entire right title and interest in each of the aforementioned Patent Applications. The undersigned (Mr. Craig Denson), whose title is supplied below, is authorized to act on behalf of the assignee.

**Craig Denson**

Corporate Secretary for Assignee, HNTB Corporation

3/30/09

**Date**

TO:SHOOK, HARDY &amp; BACON L.L.P. COMPANY:2555 GRAND BLVD.

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

\*500822833A\*

MARCH 31, 2009

PTAS

SHOOK, HARDY & BACON L.L.P.  
2555 GRAND BLVD.  
KANSAS CITY, MO 64108-2613UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/31/2009

REEL/FRAME: 022478/0705

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: HNTB.118077

## ASSIGNOR:

HNTB CORPORATION

DOC DATE: 03/30/2009

## ASSIGNEE:

HNTB HOLDINGS LTD.  
715 KIRK DRIVE  
KANSAS CITY, MISSOURI 64105

SERIAL NUMBER: 11313520

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: GEOMETRY CREATION TOOL

SERIAL NUMBER: 11316135

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: COMMUNICATION OF PROJECT INFORMATION

TO:SHOOK, HARDY & BACON L.L.P. COMPANY:2555 GRAND BLVD.

022478/0705 PAGE 2

SERIAL NUMBER: 11316567

FILING DATE: 12/21/2005

PATENT NUMBER: 7511634

ISSUE DATE: 03/31/2009

TITLE: RETRIEVING AND PRESENTING DYNAMIC TRAFFIC INFORMATION

SERIAL NUMBER: 11314607

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND SYSTEM FOR PRESENTING TRAFFIC-RELATED INFORMATION

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

**ASSIGNMENT**

✓ 4/10 **Assignor:** ~~Assignee:~~ HNTB Corporation, a Delaware corporation, having a place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

✓ 4/10 **Assignee:** ~~Assignor:~~ HNTB Holdings Ltd, a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, HNTB Corporation has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said HNTB Holdings Ltd. the full and exclusive right, title and interest, throughout the world, in, to and under said inventions described in the above-identified Patent Applications and/or provisionals; in, to and under said Patent Applications in, to and under any and all provisional patent applications, refilings, divisions and continuations of said application; in, to

and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said HNTB Holdings Ltd. for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

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HNTB Corporation \$  
9/8/10

Craig W. Denson

3/30/09

Craig Denson

Date

Corporate Secretary for Assignee, HNTB Corporation

\$  
9/8/10

TO:SHOOK, HARDY, &amp; BACON COMPANY:2555 GRAND BLVD

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 28, 2010

\*501303171A\*

PTAS

SHOOK, HARDY, & BACON  
2555 GRAND BLVD  
KANSAS CITY, MO 64108UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 09/28/2010

REEL/FRAME: 025052/0272

NUMBER OF PAGES: 5

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNOR AND ASSIGNEE DESIGNATED NAMES PREVIOUSLY RECORDED ON REEL 022478 FRAME 0705. ASSIGNOR(S) HEREBY CONFIRMS THE ENTIRE RIGHT, TITLE AND INTEREST.

DOCKET NUMBER: HNTB.118079

## ASSIGNOR:

HNTB CORPORATION

DOC DATE: 09/08/2010

## ASSIGNEE:

HNTB HOLDINGS LTD.

715 KIRK DR.

KANSAS CITY, MISSOURI 64105

SERIAL NUMBER: 11316567

FILING DATE: 12/21/2005

PATENT NUMBER: 7511634

ISSUE DATE: 03/31/2009

TITLE: RETRIEVING AND PRESENTING DYNAMIC TRAFFIC INFORMATION



TO:SHOOK, HARDY, & BACON COMPANY:2555 GRAND BLVD

025052/0272 PAGE 2

MARY BENTON, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

ASSIGNMENT


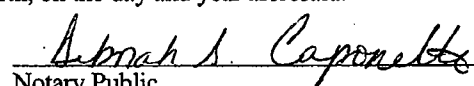
INVENTORS: ~~Terrance~~ Matthew Pallotto  
 Tommy Allen Stehle  
 Shawn Dewayne Sohl  
 Christopher James Simon  
 Kevin R. Hale  
 Matthew R. Klein  
 Timm J. Claudon

I hereby declare that I am an original first and joint inventor of the invention entitled "COMMUNICATION OF PROJECT INFORMATION" described in an application for Letters Patent of the United States of America, executed by me on even date with my execution of this Assignment; and

WHEREAS, HNTB Corporation, a Delaware corporation, having a place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri, is desirous of acquiring the entire right, title and interest in, to, and under said invention, said application, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, ~~TERRANCE~~ MATTHEW PALLOTTO, TOMMY ALLEN STEHLE, SHAWN DEWAYNE SOHL, CHRISTOPHER JAMES SIMON, KEVIN R. HALE, MATTHEW R. KLEIN AND TIMM J. CLAUDON, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said HNTB Corporation the full and exclusive right, title and interest, throughout the world, in, to and under said invention as fully set forth and described in the above-identified application; in, to and under said application; in, to and under any and all refilings, divisions and continuations of said application; in, to and under any and all Letters

Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said \* for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

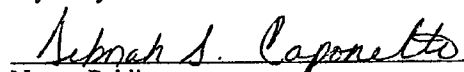
EXECUTED this <u>20</u> day of <u>December</u> , 2005.		 TERRENCE MATTHEW PALLOTTO
STATE OF MISSOURI	:	
	: ss.	
COUNTY OF <u>Jackson</u>	:	
<p>Before me personally appeared TERRENCE MATTHEW PALLOTTO, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.</p>		
SEAL		 Notary Public
My Commission Expires:		
<div style="border: 1px solid black; padding: 5px; text-align: center;"> DEBORAH S. CAPONETTO  Notary Public-Notary Seal  STATE OF MISSOURI  Jackson County  My Commission Expires Aug. 21, 2006 </div>		

EXECUTED this 20 day of December, 2005.

  
TOMMY ALLEN STEHLE

STATE OF MISSOURI :  
COUNTY OF Jackson : ss.

Before me personally appeared TOMMY ALLEN STEHLE, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

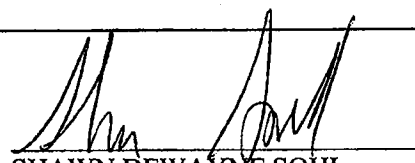
  
Notary Public

SEAL

My Commission Expires:

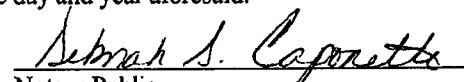
Aug. 21, 2006

EXECUTED this 20<sup>th</sup> day of December, 2005.

  
SHAWN DEWAYNE SOHL

STATE OF MISSOURI :  
COUNTY OF Jackson : ss.

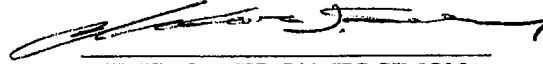
Before me personally appeared SHAWN DEWAYNE SOHL, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

  
Notary Public

SEAL

My Commission Expires:

August 21, 2006

EXECUTED this 20 day of DECEMBER, 2005.

CHRISTOPHER JAMES SIMON

Missouri  
 STATE OF ~~KANSAS~~ :  
 : ss.  
 COUNTY OF Jackson :

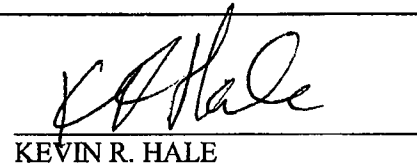
Before me personally appeared CHRISTOPHER JAMES SIMON, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

  
 Notary Public

S E A L

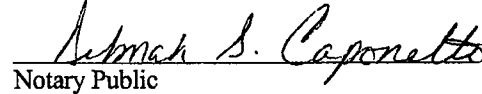
My Commission Expires:

August 21, 2006EXECUTED this 20 day of December, 2005.

  
 KEVIN R. HALE

STATE OF MISSOURI :  
 : ss.  
 COUNTY OF Jackson :

Before me personally appeared KEVIN R. HALE, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

  
 Notary Public

S E A L

My Commission Expires:

August 21, 2006

EXECUTED this 20 day of December, 2005.

  
MATTHEW R. KLEIN

STATE OF MISSOURI :  
COUNTY OF *Jackson* : SS.

Before me personally appeared MATTHEW R. KLEIN, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

Lebrun S. Caporette  
Notary Public

SEAL  
My Commission Expires:

August 21, 2006

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

TIMM J. CLAUDON

STATE OF ILLINOIS :  
 :  
 : SS.  
COUNTY OF :  
 :

Before me personally appeared TIMM J. CLAUDON, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

SEAL  
My Commission Expires:

Notary Public

EXECUTED this \_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
MATTHEW R. KLEIN

STATE OF MISSOURI :

: ss.

COUNTY OF :

Before me personally appeared MATTHEW R. KLEIN, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

SEAL

My Commission Expires:

\_\_\_\_\_  
Notary Public

EXECUTED this 20<sup>th</sup> day of December, 2005.

\_\_\_\_\_  
TIMM J. CLAUDON

STATE OF ILLINOIS :

: ss.

COUNTY OF DuPage :

Before me personally appeared TIMM J. CLAUDON, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.

\*\*\*\*\*  
"OFFICIAL SEAL"  
\*\*\*\*\*  
GLORIA P. ELVAMBUENA  
Notary Public, State of Illinois  
My Commission Expires 2/3/07  
\*\*\*\*\*

SEAL

My Commission Expires:

\_\_\_\_\_  
Notary Public

2-3-07

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 10, 2006

PTAS

**\*500084151A\***

SHOOK, HARDY & BACON L.L.P.  
2555 GRAND BLVD.  
KANSAS CITY, MO 64108-2613

**\*500084151A\***

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 03/10/2006

REEL/FRAME: 017288/0173

NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: HNTB.118078

## ASSIGNOR:

PALLOTTO, TERRENCE MATTHEW

DOC DATE: 12/20/2005

## ASSIGNOR:

STEHLE, TOMMY ALLEN

DOC DATE: 12/20/2005

## ASSIGNOR:

SOHL, SHAWN DEWAYNE

DOC DATE: 12/20/2005

## ASSIGNOR:

SIMON, CHRISTOPHER JAMES

DOC DATE: 12/20/2005

## ASSIGNOR:

HALE, KEVIN R.

DOC DATE: 12/20/2005

RECEIVED BY SHB

MAR 13 2006

PATENT

J

REEL: 025632 FRAME: 0738



017288/0173 PAGE 2

## ASSIGNOR:

KLEIN, MATTHEW R.

DOC DATE: 12/20/2005

## ASSIGNOR:

CLAUDON, TIMM J.

DOC DATE: 12/20/2005

## ASSIGNEE:

HNTB CORPORATION

715 KIRK DRIVE

KANSAS CITY, MISSOURI 64105-1310

SERIAL NUMBER: 11316135

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: COMMUNICATION OF PROJECT INFORMATION

VIOLET MCCOY, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

**ASSIGNMENT**

Assignee: **HNTB Corporation**, a Delaware corporation, having a place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

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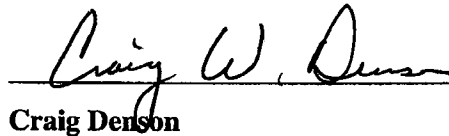
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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **HNTB Corporation** has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **HNTB Holdings Ltd**. the full and exclusive right, title and interest, throughout the world, in, to and under said inventions described in the above-identified Patent Applications and/or provisionals; in, to and under said Patent Applications in, to and under any and all provisional patent applications, refilings, divisions and continuations of said application; in, to

and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said **HNTB Holdings Ltd.** for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

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**Craig Denson**

Corporate Secretary for Assignee, HNTB Corporation

3/30/09

**Date**

TO:SHOOK, HARDY & BACON L.L.P. COMPANY:2555 GRAND BLVD.

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



\*500822833A\*

MARCH 31, 2009

PTAS

SHOOK, HARDY & BACON L.L.P.  
2555 GRAND BLVD.  
KANSAS CITY, MO 64108-2613

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RECORDATION DATE: 03/31/2009

REEL/FRAME: 022478/0705

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: HNTB.118077

ASSIGNOR:

HNTB CORPORATION

DOC DATE: 03/30/2009

ASSIGNEE:

HNTB HOLDINGS LTD.  
715 KIRK DRIVE  
KANSAS CITY, MISSOURI 64105

SERIAL NUMBER: 11313520

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: GEOMETRY CREATION TOOL

SERIAL NUMBER: 11316135

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: COMMUNICATION OF PROJECT INFORMATION

TO:SHOOK, HARDY & BACON L.L.P. COMPANY:2555 GRAND BLVD.

022478/0705 PAGE 2

SERIAL NUMBER: 11316567

FILING DATE: 12/21/2005

PATENT NUMBER: 7511634

ISSUE DATE: 03/31/2009

TITLE: RETRIEVING AND PRESENTING DYNAMIC TRAFFIC INFORMATION

SERIAL NUMBER: 11314607

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND SYSTEM FOR PRESENTING TRAFFIC-RELATED INFORMATION

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

**ASSIGNMENT**

2/4/10 **Assignor:** ~~Assignee:~~ HNTB Corporation, a Delaware corporation, having a place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

2/4/10 **Assignee:** ~~Assignor:~~ HNTB Holdings Ltd, a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri.

This assignment document relates to the following patent applications:

Title	App. Serial No	Filing Date	Client Docket	Prior Assignment
Geometry Creation Tool	11/313,520	12/21/2005	118077	Reel: 017287 Frame: 0791
Communication Of Project Information	11/316,135	12/21/2005	118078	Reel: 017288 Frame: 0173
Retrieving And Presenting Dynamic Traffic Information	11/316,567	12/21/2005	118079	Reel: 017288 Frame: 0231
Method And System For Presenting Traffic-Related Information	11/314,607	12/21/2005	118080	Reel: 017288 Frame: 0617

WHEREAS, HNTB Holdings Ltd, a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 715 Kirk Drive, Kansas City, County of Jackson, and State of Missouri, is desirous of acquiring an interest in, to and under said inventions, said Patent Applications, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, HNTB Corporation has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said HNTB Holdings Ltd. the full and exclusive right, title and interest, throughout the world, in, to and under said inventions described in the above-identified Patent Applications and/or provisionals; in, to and under said Patent Applications in, to and under any and all provisional patent applications, refilings, divisions and continuations of said application; in, to

and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said HNTB Holdings Ltd. for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

Statement under 37 C.F.R. § 3.73(b): HNTB Corporation is the assignee of the entire right title and interest in each of the aforementioned Patent Applications. The undersigned (Mr. Craig Denson), whose title is supplied below, is authorized to act on behalf of the assignee.

HNTB Corporation \$  
9/8/10

Craig W. Denson

3/30/09

Craig Denson

Date

Corporate Secretary for Assignee, HNTB Corporation

\$  
9/8/10

TO:SHOOK, HARDY, & BACON L.L.P. COMPANY:2555 GRAND BLVD

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



\*501304614\*

SEPTEMBER 29, 2010

PTAS

SHOOK, HARDY, & BACON L.L.P.  
2555 GRAND BLVD  
KANSAS CITY, MO 64108

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RECORDATION DATE: 09/29/2010

REEL/FRAME: 025059/0342

NUMBER OF PAGES: 5

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNOR AND ASSIGNEE DESIGNATED NAMES PREVIOUSLY RECORDED ON REEL 022478 FRAME 0705. ASSIGNOR(S) HEREBY CONFIRMS THE ENTIRE RIGHT, TITLE AND INTEREST..

DOCKET NUMBER: HNTB.118078

ASSIGNOR:

HNTB CORPORATION

DOC DATE: 09/08/2010

ASSIGNEE:

HNTB HOLDINGS LTD.  
715 KIRK DR.  
KANSAS CITY, MISSOURI 64105

SERIAL NUMBER: 11316135

FILING DATE: 12/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: COMMUNICATION OF PROJECT INFORMATION



TO: SHOOK, HARDY, & BACON L.L.P. COMPANY: 2555 GRAND BLVD

025059/0342 PAGE 2

MARY BENTON, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
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