

PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Robert W. Twitchell Jr.	11/28/2006
RECEIVING PARTY DATA	
Name:	TERAHOP NETWORKS, INC.
Street Address:	1225 Old Alpharetta Road
Internal Address:	Suite 210
City:	Alpharetta
State/Country:	GEORGIA
Postal Code:	30005
PROPERTY NUMBERS Total: 7	
Property Type	Number
Patent Number:	7822551
Patent Number:	7912644
Patent Number:	7847676
Application Number:	12271850
Application Number:	12435563
Application Number:	12762010
Application Number:	12774586
CORRESPONDENCE DATA	
Fax Number:	(877)248-5100
Phone:	8772485100
Email:	uspto@ti-law.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Tillman Wright
Address Line 1:	PO Box 49309
Address Line 4:	Charlotte, NORTH CAROLINA 28277

OP \$280.00 7822551

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PATENT  
REEL: 027238 FRAME: 0705

ATTORNEY DOCKET NUMBER:	THN 0353 GROUP
NAME OF SUBMITTER:	Jeremy C. Doerre
<p>Total Attachments: 4 source=018564-0353#page1.tif source=018564-0353#page2.tif source=018564-0353#page3.tif source=018564-0353#page4.tif</p>	

**ASSIGNMENT OF INVENTION RIGHTS FOR PURPOSES OF  
RECORDATION WITH U.S. PATENT & TRADEMARK OFFICE**

WHEREAS, each of the following individuals, namely,

Robert W. Twitchell, Jr.  
2475 Flat Stone Drive  
Cumming, Georgia 30005

(hereinafter referred to as "Assignor") has or may have invented certain new and useful improvements and/or designs (hereinafter "Inventions"), for a full description of which reference is here made to one or more patent applications identified as follows:

Title	Serial Number	Filing Date
Network Aided Terrestrial Triangulation Using Stars (NATTS)	11/422,304	June 5, 2006
Network Aided Terrestrial Triangulation Using Stars (NATTS)	11/422,306	June 5, 2006
Remote Sensor Interface (RSI) Stepped Wake-Up Sequence	11/422,321	June 5, 2006
Remote Sensor Interface (RSI) Stepped Wake-Up Sequence	US/2006/021856	June 5, 2006
Using Wake-Up Receivers for Soft Hand-Off in Wireless Communications	11/422,329	June 5, 2006
Using Wake-Up Receivers for Soft Hand-Off in Wireless Communications	US/2006/021859	June 5, 2006
Event-Driven Mobile HAZMAT Monitoring	11/425,047	June 19, 2006
Remote Sensor Interface (RSI) Having Power Conservative Transceiver for Transmitting and Receiving Wakeup Signals	11/425,040	June 19, 2006
Communicating via Nondeterministic and Deterministic Network Routing	11/428,535	July 3, 2006
Maintaining Information Facilitating Deterministic Network Routing	11/428,536	July 3, 2006
Deterministic and Nondeterministic Network Routing	US/2006/026158	July 3, 2006
Pipeline Monitoring	11/465,466	August 18, 2006
Power Line Monitoring	11/465,796	August 18, 2006
Determining Relative Elevation Using GPS and Ranging	11/555,164	October 31, 2006
Using GPS and Ranging to Determine Relative Elevation of an Asset	11/555,173	October 31, 2006
Determining Relative Elevation Using GPS and Ranging	US/2006/060398	October 31, 2006

(hereinafter "Applications"); and

WHEREAS,

TeraHop Networks, Inc.  
1225 Old Alpharetta Road, Suite 210  
Alpharetta, GA 30005

(hereinafter "Assignee") is desirous of acquiring all rights, title, and interests in, to, and under the Inventions and the Applications, and in, to, and under any and all patents that may be obtained for the Inventions, together with all rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollars (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to quitclaim, sell, assign, transfer and convey, and by these presents does hereby quitclaim, sell, assign, transfer and convey, unto Assignee any and all right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any and all other applications for patent for the Invention that may or have been filed in any and all countries, including any patent application from which priority is claimed;
- ☐ Any and all patents that may be obtained for the Invention in any and all countries;
- ☐ Any reissue, reexamination, extension, renewal, substitution, conversion, confirmation, division, continuation, nonprovisional, provisional, continuation-in-part and the like of any of the foregoing; and
- ☐ Any past or present right or cause of action arising with respect to any of the foregoing, including the right to sue for patent infringement;

(hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, nominees, and assigns, to assist and cooperate with Assignee, and Assignee's expense, in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing this Agreement.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority.

Assignor covenants and agrees that this Assignment and all the terms thereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignor.

Assignor further hereby represents and warrants that Assignor is an original inventor of the Invention; and Assignor has reviewed and understood the contents of the Applications.

Finally, Assignor hereby authorizes and requests the Commissioner of Patents of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

# ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the Inventions and Applications as set forth above.

This the 28<sup>th</sup> day of November, 2006.

By: TeraHop Networks, Inc. (Assignee)  
Robert W. Twitchell, Jr. (Signature)  
Robert W. Twitchell, Jr. (Printed Name)  
CTO (Representative Title)

Melody P. McDonald  
 Witness #1 Signature

Melody P. McDonald  
 Witness #1 Name (print)

232 Azalea Circle  
 Witness #1 Address Line 1

Cumming, GA. 30040  
 Witness #1 Address Line 2

Chad Tillman  
 Witness #2 Signature

Chad Tillman  
 Witness #2 Name (print)

6510 Patchwork Circle  
 Witness #2 Address Line 1

Charlotte, NC 28270  
 Witness #2 Address Line 2

## NOTARY CERTIFICATE FOR ACKNOWLEDGEMENT

State of GA.

County of FULTON

United States of America

On this 28 day of November, 2006,

I certify that the following person personally appeared before me and acknowledged to me that he or she voluntarily signed the foregoing document for the purpose stated therein and in the capacity indicated:

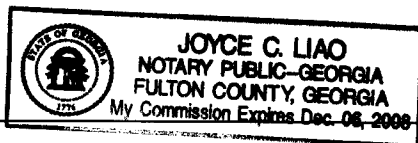
Robert W. TWITCHELL, JR (person appearing before notary)

Notary Signature: Joyce C. Liao

Printed Name: JOYCE C. LIAO

My Commission Expires: Dec. 6, 2008

(Notary Seal)



This the 28<sup>th</sup> day of November, 2006.

Robert W. Twitchell, Jr. (Assignor)  
Robert W. Twitchell, Jr.

Melody P. McDonald  
Witness #1 Signature

Melody P. McDonald  
Witness #1 Name (print)

232 Azalea Circle  
Witness #1 Address Line 1

Cumming, GA 30040  
Witness #1 Address Line 2

Chad Tillman  
Witness #2 Signature

Chad Tillman  
Witness #2 Name (print)

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Charlotte, NC 28270  
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Notary Signature: Joyce C. Liao

Printed Name: JOYCE C. LIAO

My Commission Expires: Dec 6, 2008

(Notary Seal)

