

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Nicholas Talbot	02/05/2009
Ulrich Vollath	02/06/2009
Gang Lu	02/09/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Trimble Navigation Limited
<b>Street Address:</b>	935 Stewart Drive
<b>City:</b>	Sunnyvale
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94085
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12319623
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)941-6376
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	6509486235
<b>Email:</b>	bruce@riter.net
<b>Correspondent Name:</b>	Bruce D Riter
<b>Address Line 1:</b>	101 First Street PMB 208
<b>Address Line 4:</b>	Los Altos, CALIFORNIA 94022
<b>ATTORNEY DOCKET NUMBER:</b>	TNL A-2186US
<b>NAME OF SUBMITTER:</b>	Bruce D Riter

Total Attachments: 4  
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**PATENT  
 REEL: 024972 FRAME: 0250**

**OP \$40.00 12319623**

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WHEREAS, **Nicholas TALBOT** of 18 Amery Street, Ashburton, Victoria 3147, Australia, and **Ulrich VOLLATH** of Froettmaninger Strasse 12, D-85737, Ismaning, Germany, and **Gang LU** of 988 September Drive, Cupertino, CA 95014, United States of America, hereinafter referred to as "Assignors", have invented certain new and useful improvements as described and set forth in the below identified Provisional United States Patent Application:

Title: Processing Multi-GNSS Data From Mixed-Type Receivers

Filing date: January 8, 2009, Serial No. 12/319,623; and

WHEREAS, **TRIMBLE NAVIGATION LIMITED**, 935 Stewart Drive, Sunnyvale, CA 94085 (name and address of Assignee) hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have hereunto signed their names.

(1) (Nicholas TALBOT) Nicholas Talbot HOEHENKIRCHEN, GERMANY 5-FEB-2009  
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that **Nicholas TALBOT** is known to us to be the individual described in this assignment, that on the date of signing indicated above we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes set forth.

Witness: Adrian Uipka ADRIAN UIPKA  
(Signature of Witness) (Printed Name of Witness)  
Rosenheimerstr. 13, 85635 Höhenkirchen  
(Post Office Address of Witness)

Witness: Joachim Tappe JOACHIM TAPPE  
(Signature of Witness) (Printed Name of Witness)  
RÜBEZAHNSTR. 27, 81739 MÜNCHEN  
(Post Office Address of Witness)

(2) (Ulrich VOLLATH) Ulrich Vollath Höhenkirchen, 08-Feb-2009  
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that Ulrich VOLLATH is known to us to be the individual described in this assignment, that on the date of signing indicated above we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes set forth.

Witness: Adrian Kipka ADRIAN KIPKA  
(Signature of Witness) (Printed Name of Witness)  
Rosenheimerstr. 13, 85635 Höhenkirchen  
(Post Office Address of Witness)

Witness: Joachim Tappe JOACHIM TAPPE  
(Signature of Witness) (Printed Name of Witness)  
ROBEZAHLSTR. 27, 81739 MÜNCHEN  
(Post Office Address of Witness)

(2) (Gang LU) \_\_\_\_\_  
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that Gang LU is known to us to be the individual described in this assignment, that on the date of signing indicated above we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes set forth.

Witness: \_\_\_\_\_  
(Signature of Witness) (Printed Name of Witness)  
\_\_\_\_\_  
(Post Office Address of Witness)

Witness: \_\_\_\_\_  
(Signature of Witness) (Printed Name of Witness)  
\_\_\_\_\_  
(Post Office Address of Witness)

WHEREAS, **Nicholas TALBOT** of 18 Amery Street, Ashburton, Victoria 3147, Australia, and **Ulrich VOLLATH** of Froettmaninger Strasse 12, D-85737, Ismaning, Germany, and **Gang LU** of 988 September Drive, Cupertino, CA 95014, United States of America, hereinafter referred to as "Assignors", have invented certain new and useful improvements as described and set forth in the below identified Provisional United States Patent Application:

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WHEREAS, **TRIMBLE NAVIGATION LIMITED**, 935 Stewart Drive, Sunnyvale, CA 94085 (name and address of Assignee) hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have hereunto signed their names.

(1) **(Nicholas TALBOT)** \_\_\_\_\_  
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that **Nicholas TALBOT** is known to us to be the individual described in this assignment, that on the date of signing indicated above we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes set forth.

Witness: \_\_\_\_\_  
(Signature of Witness) (Printed Name of Witness)  
\_\_\_\_\_  
(Post Office Address of Witness)

Witness: \_\_\_\_\_  
(Signature of Witness) (Printed Name of Witness)  
\_\_\_\_\_  
(Post Office Address of Witness)

(2) (Ullrich VOLLATH)

\_\_\_\_\_  
(Signature of Assignor as written above)

\_\_\_\_\_  
(Place and Date of Signing)

BE IT KNOWN, that Ullrich VOLLATH is known to us to be the individual described in this assignment, that on the date of signing indicated above we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes set forth.

Witness:

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Printed Name of Witness)

\_\_\_\_\_  
(Post Office Address of Witness)

Witness:

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Printed Name of Witness)

\_\_\_\_\_  
(Post Office Address of Witness)

935 Stewart Dr.  
Sunnyvale, California USA

(2) (Gang LU)



\_\_\_\_\_  
(Signature of Assignor as written above)

Feb, 09, 2009  
\_\_\_\_\_  
(Place and Date of Signing)

BE IT KNOWN, that Gang LU is known to us to be the individual described in this assignment, that on the date of signing indicated above we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes set forth.

Witness:

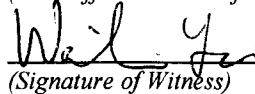


\_\_\_\_\_  
(Signature of Witness)

Will Lentz  
\_\_\_\_\_  
(Printed Name of Witness)

Sunnyvale, CA USA  
\_\_\_\_\_  
(Post Office Address of Witness)

Witness:



\_\_\_\_\_  
(Signature of Witness)

Weili Yao  
\_\_\_\_\_  
(Printed Name of Witness)

Sunnyvale, CA, U.S.A  
\_\_\_\_\_  
(Post Office Address of Witness)