

Form PTO-1595 (Rev. 01-09)  
OMB No. 0651-0027 (exp. 02/28/2009)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)

Ullrich Vollath

Soeren Ulf Klose

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 7 Jan 2009 & 15 Jan 2009

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Name: Trimble Navigation Limite

Internal Address: \_\_\_\_\_

Street Address: 935 Stewart Drive

City: Sunnyvale

State: CA

Country: USA Zip: 94085

Additional name(s) & address(es) attached? ☐ Yes ☒ No

### 4. Application or patent number(s):

☐ This document is being filed together with a new application.  
 A. Patent Application No.(s) B. Patent No.(s)

12/291,888 filed 14 November 2008 (Attorney Docket TNL A-1877US)

Additional numbers attached? ☐ Yes ☒ No

### 5. Name and address to whom correspondence concerning document should be mailed:

Name: Bruce D Riter

Internal Address: \_\_\_\_\_

Street Address: 101 First Street PMB 208

City: Los Altos

State: CA Zip: 94022

Phone Number: 650-948-6235

Fax Number: 650-941-6376

Email Address: bruce@riter.net

### 6. Total number of applications and patents involved: 1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_

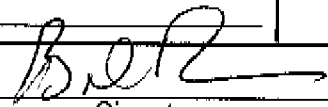
- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

### 8. Payment Information

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

### 9. Signature:

  
Signature

31 January 2009

Date

Bruce D Riter

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

6

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

**PATENT**

**REEL: 022193 FRAME: 0519**

**700397946**

OP \$40.00 12291888

Joint

## ASSIGNMENT OF PATENT APPLICATION

Docket No. TNL A-1877US

WHEREAS, Ulrich VOLLATH of Froettmaninger Strasse 12, D-85737 Ismaning, Germany, and Soeren UH KLOSE of Birkenstraße 5, 15344 Strausberg, Germany, 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: Real-Time Fast Decimeter-Level GNSS Positioning

Filing date: 14 November 2008, Serial No. 12/291,888; 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) (Ulrich VOLLATH)

  
(Signature of Assignor as written above)

Höhenkirchen, Jan 7/2009  
(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.

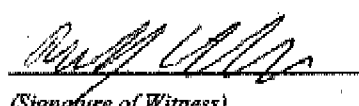
Witness:

  
(Signature of Witness)

ADRIAN KIPKA  
(Printed Name of Witness)

85635 Höhenkirchen, GERMANY  
(Post Office Address of Witness)

Witness:

  
(Signature of Witness)RALF STOLZ  
(Printed Name of Witness)

81739 MÜNCHEN, GERMANY

(Post Office Address of Witness)

(2) (Soeren Ulf KLOSE)

(Signature of Assignor as written above)

(Place and Date of Signing)

BE IT KNOWN, that Soeren Ulf KLOSE 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)

Joint

## ASSIGNMENT OF PATENT APPLICATION

Docket No. TNL A-1877US

WHEREAS, Ullrich VOLLATH of Froettmaninger Strasse 12, D-85737 Ismaning, Germany, and Soeren Ulf KLOSE of Birkenstraße 5, 15344 Strausberg, Germany, 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: Real-Time Fast Decimeter-Level GNSS Positioning

Filing date: 14 November 2008, Serial No. 12/291,888; 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) (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)

(2)

(Soeren Ulf KLOSE)

*S. Klose*

(Signature of Assignor as written above)

*Schwarzbach, Germany, 15 Jan. 2009*  
(Place and Date of Signing)

*(Place and Date of Signing)*

BE IT KNOWN, that Seeren Ulf KLOSE 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:**

L. pacificum

(Signature of Witness)

Kept in Keosauqua

(Printed Name of Witness)

Waldenstraße 63, 15344 Strausberg

(Post Office Address of Witness)

**Witness:**

(Signature of Witness)

(Printed Name of Witness)

(Post Office Address of Witness)