

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Junjie Liu</td> <td>07/31/2006</td> </tr> <tr> <td>Ulrich Vollath</td> <td>07/25/2006</td> </tr> <tr> <td>Peter Ian West</td> <td>11/06/2006</td> </tr> <tr> <td>Soeren Ulf Klose</td> <td>07/25/2006</td> </tr> </tbody> </table>		Name	Execution Date	Junjie Liu	07/31/2006	Ulrich Vollath	07/25/2006	Peter Ian West	11/06/2006	Soeren Ulf Klose	07/25/2006
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Junjie Liu	07/31/2006										
Ulrich Vollath	07/25/2006										
Peter Ian West	11/06/2006										
Soeren Ulf Klose	07/25/2006										
RECEIVING PARTY DATA											
Name:	Trimble Navigation Limited										
Street Address:	935 Stewart Drive										
City:	Sunnyvale										
State/Country:	CALIFORNIA										
Postal Code:	94085										
PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>7498979</td> </tr> <tr> <td>Application Number:</td> <td>12321843</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	7498979	Application Number:	12321843				
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Patent Number:	7498979										
Application Number:	12321843										
CORRESPONDENCE DATA											
Fax Number:	(650)941-6376										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	6509486235										
Email:	bruce@riter.net										
Correspondent Name:	Bruce D Riter										
Address Line 1:	101 First Street PMB 208										
Address Line 4:	Los Altos, CALIFORNIA 94022										
ATTORNEY DOCKET NUMBER:	TNL A-1815US/C1										
NAME OF SUBMITTER:	Bruce D Riter										

OP \$80.00 7498979

501297858

**PATENT
 REEL: 025017 FRAME: 0881**

Total Attachments: 6

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WHEREAS, **Junjie LIU**, of 1818, 6 Str NW, T2M 4T5, Calgary, Alberta, Canada, and **Ulrich VOLLATH** of Gernweg 18, D-85774 Unterfoehring, Germany, and **Peter Ian WEST** of 44 Garreg Rd, Christchurch 8005, New Zealand, and **Soeren Ulf KLOSE** of Schlossstrasse 5, D-83620 Feldkirchen-Westerham, 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: Fast Decimeter-Level GNSS Positioning

Filing date: 17 April 2006, Serial No. 60/792,911; and

WHEREAS, **TRIMBLE NAVIGATION LIMITED**, 435 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) **(Junjie LIU)** [Signature] Calgary 2006 Jul 31st
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that **Junjie LIU** 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] Glenn MacGaugan
(Signature of Witness) (Printed Name of Witness)
115 Silvergroue Drive NW, Calgary, AB, Canada, T3B 4G6
(Post Office Address of Witness)

Witness: [Signature] Daniel Lemmon
(Signature of Witness) (Printed Name of Witness)
408 Coach Light Bay S.W., Calgary, AB, Canada, T3H 1Z2
(Post Office Address of Witness)

(2) **(Ulrich VOLLATH)** _____
(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: _____
(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)

(3) **(Peter Ian WEST)** _____
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that **Peter Ian WEST** 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)** _____
(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)

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Witness: _____
(Signature of Witness) (Printed Name of Witness)

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WHEREAS, **Junjie LIU**, of 1818, 6 Str NW, T2M 4T5, Calgary, Alberta, Canada, and **Ullrich VOLLATH** of Gernweg 18, D-85774 Unterfoehring, Germany, and **Peter Ian WEST** of 44 Garreg Rd, Christchurch 8005, New Zealand, and **Soeren Ulf KLOSE** of Schlossstrasse 5, D-83620 Feldkirchen-Westerham, 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:

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IN TESTIMONY WHEREOF, Assignors have hereunto signed their names.

(1) **(Junjie LIU)**

(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that **Junjie LIU** 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) Ullrich Vollath Höhenkirchen, 25-Jul-06
(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] Peter Koll
(Signature of Witness) (Printed Name of Witness)
Geiselsteinstr. 5a D-83224 Grassau GERMANY
(Post Office Address of Witness)

Witness: [Signature] Ralf Stolz
(Signature of Witness) (Printed Name of Witness)
Klara-Ziegler-Bogen 11; D-81739 München
(Post Office Address of Witness)

(3) (Peter Ian WEST) _____
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that Peter Ian WEST 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 Höhenkirchen, 25. July 2006
(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] Peter Koll
(Signature of Witness) (Printed Name of Witness)
Geiselsteinstr. 5a D-83224 Grassau GERMANY
(Post Office Address of Witness)

Witness: [Signature] Ralf Stolz
(Signature of Witness) (Printed Name of Witness)
Klara-Ziegler-Bogen 11; D-81739 München
(Post Office Address of Witness)

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(1) **(Junjie LIU)**

(Signature of Assignor as written above)

(Place and Date of Signing)

BE IT KNOWN, that Junjie LIU 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) **(Ulrich VOLLATH)** _____
(Signature of Assignor as written above) (Place and Date of Signing)

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)

(3) **(Peter Ian WEST)**  Christchurch 06/14/06
(Signature of Assignor as written above) (Place and Date of Signing)

BE IT KNOWN, that Peter Ian WEST 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:  Jonathan Cox
(Signature of Witness) (Printed Name of Witness)
33 CUMBERLAND PLACE, KAIAPOI, NZ
(Post Office Address of Witness)

Witness:  Peter France
(Signature of Witness) (Printed Name of Witness)
18 Highcrest Hls Christchurch, NZ
(Post Office Address of Witness)

(2) **(Soeren Ulf KLOSE)** _____
(Signature of Assignor as written above) (Place and Date of Signing)

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(Post Office Address of Witness)

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(Signature of Witness) (Printed Name of Witness)

(Post Office Address of Witness)