

## 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>Xiaoming Chen</td> <td>03/15/2012</td> </tr> <tr> <td>Ralf Drescher</td> <td>03/16/2012</td> </tr> <tr> <td>Rodrigo Leandro</td> <td>03/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoming Chen	03/15/2012	Ralf Drescher	03/16/2012	Rodrigo Leandro	03/16/2012
Name	Execution Date								
Xiaoming Chen	03/15/2012								
Ralf Drescher	03/16/2012								
Rodrigo Leandro	03/16/2012								
RECEIVING PARTY DATA									
Name:	Trimble Navigation Limited								
Street Address:	935 Stewart Drive								
City:	Sunnyvale								
State/Country:	CALIFORNIA								
Postal Code:	94085								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13372488</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13372488				
Property Type	Number								
Application Number:	13372488								
CORRESPONDENCE DATA									
Fax Number:	(650)941-6376								
Phone:	650-948-6235								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
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Address Line 4:	Los Altos, CALIFORNIA 94022								
ATTORNEY DOCKET NUMBER:	TNL A-2801US								
NAME OF SUBMITTER:	Bruce D Riter								
Total Attachments: 2 source=TNL A-2801US signed Assignment#page1.tif source=TNL A-2801US signed Assignment#page2.tif									

OP \$40.00 13372488

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, Xiaoming CHEN of Am Ganter 1, 85635 Hoehenkirchen, Germany, and Ralf DRESCHER of Lena-Christ-Str. 8, 85635 Hoehenkirchen, Germany, and Rodrigo LEANDRO, of Robert-Koch Strasse 26, 85521 Ottobrunn, Germany, hereinafter referred to as "Assignors", have invented certain new and useful improvements as described and set forth in the below identified Provisional Application for United States Patent:

Title: GNSS Signal Processing with Ionosphere Model for Synthetic Reference Data

Filing date: 13 February 2012, Serial No. 13/372,488; 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) (Xiaoming CHEN)

[Signature]  
(Signature of Assignor as written above)

Möhenkirchen 13. Mar. 2012  
(Place and Date of Signing)

BE IT KNOWN, that Xiaoming CHEN 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]  
(Signature of Witness)

Feipeng Zhang  
~~Hohenkirchen, 13.03.2012~~  
(Printed Name of Witness)

Zehetmairstr. 11, 85635 Höhenkirchen  
(Post Office Address of Witness)

Witness:

[Signature]  
(Signature of Witness)

Markus Nitschke  
(Printed Name of Witness)

ENGADINER STR. 52, 81475 MÜNCHEN  
(Post Office Address of Witness)

(2) (Ralf DRESCHER)

Ralf Drescher  
(Signature of Assignor as written above)

Höhenkirchen, 16. Mai 2012  
(Place and Date of Signing)

BE IT KNOWN, that Ralf DRESCHER 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]  
(Signature of Witness)

Markus Glocker  
(Printed Name of Witness)

Herzog-Herrlich-Str. 32  
(Post Office Address of Witness)

80336 München

Witness:

[Signature]  
(Signature of Witness)

DAGOBERTO SALAZAR  
(Printed Name of Witness)

Saglerstr. 3, Höhenkirchen-Siegertsbrunn, 85635  
(Post Office Address of Witness)

(3) (Rodrigo LEANDRO)

Rodrigo Leandro  
(Signature of Assignor as written above)

Höhenkirchen, 16. Mai 2012  
(Place and Date of Signing)

BE IT KNOWN, that Rodrigo LEANDRO 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]  
(Signature of Witness)

VICTOR GOMEZ  
(Printed Name of Witness)

Am See 29, 85540 Haar  
(Post Office Address of Witness)

Witness:

[Signature]  
(Signature of Witness)

KEN DOULET  
(Printed Name of Witness)

LENA-CHRIST-STASSE 22, HÖHENKIRCHEN, 16. MAI 2012  
(Post Office Address of Witness)