PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLADIMIR V. VEITSEL	07/08/2014
DMITRY P. NIKITIN	07/08/2014
ANDREY V. VEITSEL	07/08/2014
ANDREY V. PLENKIN	07/08/2014
MARK I. ZHODZISHSKY	07/08/2014
VICTOR A. PRASOLOV	07/08/2014

RECEIVING PARTY DATA

Name:	Topcon Positioning Systems, Inc.
Street Address:	7400 National Drive
City:	Livermore
State/Country:	CALIFORNIA
Postal Code:	94551

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14325446

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 2503.0070001 GEORGE S. BARDMESSER NAME OF SUBMITTER: **SIGNATURE:** /GB/ **DATE SIGNED:** 07/08/2014

Total Attachments: 3

REEL: 033256 FRAME: 0590

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PATENT REEL: 033256 FRAME: 0591

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: VLADIMIR V. VEITSEL, DMITRY P. NIKITIN, ANDREY V. PLENKIN, ANDREY V. VEITSEL, MARK I. ZHODZISHSKY and VICTOR A. PRASOLOV, hereby sell and assign to Topcon Positioning Systems, Inc., a corporation formed under the laws of California, whose mailing address is 7400 National Drive, Livermore, California 94551 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as **METHOD AND APPARATUS OF GNSS RECEIVER HEADING DETERMINATION** for which application(s) for patent in the United States of America was filed on ______ (also known as United States Application No. TBD, which is the U.S. national phase of PCT/RU2011/000463, international filing date June 28, 2011), in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant George S. Bardmesser, Esq., Registration No. 44,020; all of BARDMESSER LAW GROUP, 1025 Connecticut Avenue, N.W., Suite 1000, Washington, DC 20006, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	VLADIMIR V. VEITSEL
Date:	Signature of Inventor:	DMITRY P. NIKITIN
Date:	Signature of Inventor:	ANDREY V. PLENKIN
Date:	Signature of Inventor:	ANDREY V. VEITSEL
Date:	Signature of Inventor:	MARK I. ZHODZISHSKY
Date:	Signature of Inventor:	VICTOR A. PRASOLOV

Any Docket No. 2503.0070001

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: <u>July 8, 2019</u>	Signature of Inventor	VLADIMIR V, VEITSEL	
Date: <u>5 </u>	Signature of Inventor:	DMITTY ENTRIN	
Date: 14 by 8, 2014	Signature of Inventor.	ANDREY V. PLENKIN	
Diver Har Care St., 2017	Signatum of Inventor	ANDREY V. VEITSEL	
Date <u>444 8 , 2014 </u>	Signature of Inventors	MARK I ZWODZISHSKY	
Date: <u>July 8, 2014</u>	Signature of Inventor.	VICTOR A PRASOLOV	