

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PAVEL PETROVICH SHAMATULSKY	06/20/2018
RECEIVING PARTY DATA	
Name:	LIMITED LIABILITY COMPANY "TOPCON POSITIONING SYSTEMS"
Street Address:	DERBENEVSKAYA NAB., 7, BUILD. 22
City:	MOSCOW
State/Country:	RUSSIAN FEDERATION
Postal Code:	115114
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	9520651
Application Number:	16094306
CORRESPONDENCE DATA	
Fax Number:	(973)530-2228
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	9735302028
Email:	patent@csglaw.com
Correspondent Name:	JEFFREY M. WEINICK
Address Line 1:	CHIESA SHAHINIAN & GIANTOMASI PC
Address Line 2:	ONE BOLAND DRIVE
Address Line 4:	WEST ORANGE, NEW JERSEY 07052
ATTORNEY DOCKET NUMBER:	13838.0406;13838.0724
NAME OF SUBMITTER:	DIKLA BOROCHOV
SIGNATURE:	/Dikla Borochov/
DATE SIGNED:	12/05/2018
Total Attachments: 4	
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ASSIGNMENT AND AGREEMENT

THIS PATENT ASSIGNMENT ("Patent Assignment") is by and between **Pavel Petrovich SHAMATULSKY** of Moscow, the Russian Federation ("Assignor"), and Limited Liability Company "TOPCON POSITIONING SYSTEMS" (also known as LLC "TOPCON POSITIONING SYSTEMS"), a Limited Liability Company of the Russian Federation, having an office at Derbenevskaya nab., 7, build. 22, Moscow 115114, the Russian Federation ("Assignee").

RECITALS

WHEREAS, Assignor is an inventor on certain patents and patent applications as specifically listed in the attached Appendix A (collectively hereinafter "Transferred Patents"); and

WHEREAS, Assignor desires to transfer, assign, convey and deliver to Assignee, all of Assignor's rights, titles and interests, in and to the **Transferred Patents**, for any and all countries, jurisdictions and political entities in the world, including any patents of any type which issue therefrom in any of such countries, jurisdictions and political entities, and subject to any prior assignments or other agreements that may have been executed by the Assignor.

NOW, THEREFORE, for value received, I, **Pavel Petrovich SHAMATULSKY** of Moscow, the Russian Federation, hereby sell, transfer, assign, convey and deliver to Assignee the entire right, title and interest, for any and all countries, jurisdictions and political entities in the world, and subject to any prior assignments or any other agreements I may have executed with Assignee or any designee thereof in course of my employment thereby, in and to the **Transferred Patents**, and all the rights and privileges in and to the **Transferred Patents**, including all rights of priority arising from the aforesaid **Transferred Patents**, and all the rights and privileges under any and

all forms of protection, including Letters Patent, that may be granted in said countries, jurisdictions and political entities for said **Transferred Patents**.

I authorize Assignee, or any designee thereof, to make application for such protection in its own name and maintain such protection in any and all countries, jurisdictions and political entities in the world, and to invoke and claim for any application for patent or other form of protection for said **Transferred Patents**, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this Patent Assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country, jurisdiction and political entity in the world, in proof of the right of Assignee, or any designee thereof, to apply for patent or other form of protection for said **Transferred Patents** and to claim the aforesaid benefit of the right of priority, subject to any of the aforementioned assignments or any other agreements I may have executed with Assignee or such designees.

I request that any and all patents for said **Transferred Patents** be issued to Assignee in any and all countries, jurisdictions and political entities in the world, or to such nominees as Assignee may designate, subject to any assignments or any other agreements I may have executed with Assignee or such designees.

I agree that, when requested, I shall, without charge to Assignee, or any designee thereof, but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said **Transferred Patents**, or other forms of protection.

ASSIGNOR:

Pavel Petrovich
Pavel Petrovich SHAMATULSKY

June 20, 2018
Date

[Signature]
Witness Signature

June 20, 2018
Date

Sofia Borovskaya
Print name of witness

ASSIGNEE:

Limited Liability Company "TOPCON POSITIONING SYSTEMS"

By: *[Signature]*

Name: Scott Baker

Title: Managing Director

Date: June 20, 2018



[Signature]
Witness Signature

June 20, 2018
Date

Sofia Borovskaya
Print name of witness

Appendix A
Transferred Patents

- (1) International Patent Application No. PCT/RU2014/000021, filed January 16, 2014, entitled: "GLOBAL NAVIGATION SATELLITE SYSTEM ANTENNA WITH A HOLLOW CORE";
- (2) International Patent Application No. PCT/RU2017/000124, filed March 10, 2017, entitled: "PATCH ANTENNA WITH WIRE RADIATION ELEMENTS FOR HIGH-PRECISION GNSS APPLICATIONS";
- (3) U.S. Patent Application No. 14/772,281, filed September 2, 2015, and issued on December 13, 2016 as U.S. Patent No. 9,520,651, entitled: "GLOBAL NAVIGATION SATELLITE SYSTEM ANTENNA WITH A HOLLOW CORE";
- (4) European Patent Application No. 14878875.5, filed January 16, 2014, entitled: "GLOBAL NAVIGATION SATELLITE SYSTEM ANTENNA WITH A HOLLOW CORE"; and
- (5) Australian Patent Application No. 2014377747, filed January 16, 2014, and issued on February 2, 2017, as Australian Patent No. 2014377747, entitled: "GLOBAL NAVIGATION SATELLITE SYSTEM ANTENNA WITH A HOLLOW CORE".