

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NIKOLAI NIKOLAEVICH VASILYUK	06/13/2018
ALEXANDR VLADIMIROVICH DORONIN	06/13/2018
SERGEY IVANOVICH TYCHINSKIY	06/13/2018
ANDREY MIKHAILOVICH SOKOLOV	06/13/2018
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16105052
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DATE SIGNED:	11/26/2019
Total Attachments: 11	
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ASSIGNMENT AND AGREEMENT

THIS PATENT ASSIGNMENT ("Patent Assignment") is by and between Nikolay (Nikolai) Nikolaevich VASILYUK of Moscow, the Russian Federation; Alexandr Vladimirovich DORONIN of Moscow, the Russian Federation; and Sergey Ivanovich TYCHINSKIY of Moscow, the Russian Federation (hereinafter collectively referred to as "Assignors"), 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, Assignors are inventors on certain patents and patent applications as specifically listed in the attached Appendix A (hereinafter collectively referred to as "Transferred Patents"); and

WHEREAS, Assignors desire to transfer, assign, convey and deliver to Assignee, all of Assignors' 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 Assignors.

NOW, THEREFORE, for value received, Assignors 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 we may have executed with Assignee or any designee thereof in course of our 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**.

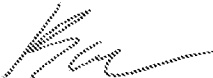
We authorize Assignee, or any designee thereof, to make application for such protection in its own name and maintain such protection in any and all countries, jurisdictions and political entities in the world, and to invoke and claim for any application for patent or other form of protection for said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

We 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 we may have executed with Assignee or such designees.

We 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 we may have executed with Assignee or such designees.

We agree that, when requested, we 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.

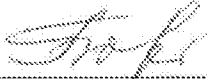
ASSIGNOR(S):



Nikolay (Nikolai) Nikolaevich VASILYUK

June 13, 2018

Date



Witness Signature

June 13, 2018

Date

Sofia Borevskaya

Print name of witness

Dops

Alexandr Vladimirovich DORONIN

June 13, 2018

Date

Sofia

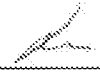
Witness Signature

June 13, 2018

Date

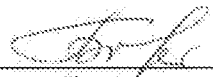
Sofia Borovskaya

Print name of witness



Sergey Ivanovich TYCHINSKIY

June 13, 2018
Date



Witness Signature

June 13, 2018
Date

Sofia Borisovskaya
Print name of witness

ASSIGNEE:

Limited Liability Company "TOPCON POSITIONING SYSTEMS"

By: SBM

Name: Scott Baker

Title: Managing Director

Date: June 20, 2018



Sofia
Witness Signature

June 20, 2018
Date

Sofia Bernskaya
Print name of witness

Appendix A
Transferred Patents

- (1) International Patent Application No. PCT/RU2016/000038, filed February 1, 2016, entitled: "A METHOD AND DEVICE FOR CALIBRATION OF A THREE-AXIS MAGNETOMETER";
- (2) International Patent Application No. PCT/RU2016/000250, filed April 27, 2016, entitled: "GNSS ANTENNA WITH AN INTEGRATED ANTENNA ELEMENT AND ADDITIONAL INFORMATION SOURCES";
- (3) U.S. Patent Application No. 15/745,456, filed January 17, 2018, entitled: "GNSS ANTENNA WITH AN INTEGRATED ANTENNA ELEMENT AND ADDITIONAL INFORMATION SOURCES; and
- (4) U.S. Patent Application No. 15/564,481, filed October 5, 2017, entitled: "A METHOD AND DEVICE FOR CALIBRATION OF A THREE-AXIS MAGNETOMETER".

ASSIGNMENT AND AGREEMENT

THIS PATENT ASSIGNMENT ("Patent Assignment") is by and between **Andrey Mikhailovich SOKOLOV** 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, **Andrey Mikhailovich SOKOLOV** 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:

[Signature]
Andrey Mikhailovich SOKOLOV

June 13, 2018
Date

[Signature]
Witness Signature

June 13, 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/RU2014/000906, filed December 4, 2014, entitled: "DETECTION OF EXCESSIVELY HIGH INTERFERENCE SIGNAL LEVELS DURING RECEPTION OF GLOBAL NAVIGATION SATELLITE SYSTEM SIGNALS";
- (2) International Patent Application No. PCT/RU2016/000250, filed April 27, 2016, entitled: "GNSS ANTENNA WITH AN INTEGRATED ANTENNA ELEMENT AND ADDITIONAL INFORMATION SOURCES";
- (3) U.S. Patent Application No. 15/113,120, filed July 21, 2016, and issued on march 28, 2017, as U.S. Patent No. 9,606,239 , entitled: "DETECTION OF EXCESSIVELY HIGH INTERFERENCE SIGNAL LEVELS DURING RECEPTION OF GLOBAL NAVIGATION SATELLITE SYSTEM SIGNALS";
- (4) U.S. Patent Application No. 15/745,456, filed January 17, 2018, entitled: "GNSS ANTENNA WITH AN INTEGRATED ANTENNA ELEMENT AND ADDITIONAL INFORMATION SOURCES"; and
- (5) European Patent Application No. 14907358.7, filed December 4, 2014, entitled: "DETECTION OF EXCESSIVELY HIGH INTERFERENCE SIGNAL LEVELS DURING RECEPTION OF GLOBAL NAVIGATION SATELLITE SYSTEM SIGNALS".