

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5907903

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CONTINUATION OF APPLICATION NUMBER 15631662 UNDER REEL/FRAME 042900/0197

**CONVEYING PARTY DATA**

Name	Execution Date
PAVEL IVANOV	06/30/2017
LAURI AARNE JOHANNES WIROLA	06/30/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	HERE GLOBAL B.V.
<b>Street Address:</b>	KENNEDYPLEIN 222-226
<b>City:</b>	EINDHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5611 ZT

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	15631662

**CORRESPONDENCE DATA**

**Fax Number:** (312)291-0864

*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.*

**Phone:** 3122910860

**Email:** docket-us@lsk-iplaw.com

**Correspondent Name:** LEMPIA SUMMERFIELD KATZ LLC

**Address Line 1:** 20 SOUTH CLARK STREET

**Address Line 2:** SUITE 600

**Address Line 4:** CHICAGO, ILLINOIS 60603

<b>ATTORNEY DOCKET NUMBER:</b>	10171-17016A (HN90420US)
<b>NAME OF SUBMITTER:</b>	RYAN GLEITZ
<b>SIGNATURE:</b>	/RYAN GLEITZ/
<b>DATE SIGNED:</b>	01/13/2020

**Total Attachments: 4**

source=Assignment\_17016B#page1.tif  
 source=Assignment\_17016B#page2.tif  
 source=Assignment\_17016B#page3.tif



ASSIGNMENT

I/we, (The ASSIGNOR(S)):

Pavel Ivanov  
Lauri Aarne Johannes Wirola

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby assign to (hereafter referred to as The ASSIGNEE):

HERE Global B.V.  
Kennedyplein 222 -226  
5611 ZT Eindhoven  
Netherlands

An invention entitled (invention Title):

METRIC FOR EVALUATING INDOOR POSITIONING SYSTEMS

The PATENT RIGHTS referred to in this agreement are:

- a national Patent Application No. filed on
- European Patent Application No. filed on
- PCT application No. filed on

for this invention, executed by the ASSIGNOR(S)

- U.S. Patent Application Serial No. 15/631662 filed June 23, 2017
- U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- U.S. Patent rights
- worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any Patent Application identified above.
- the full and exclusive right to the invention;

The ASSIGNOR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.


As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

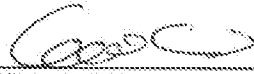
Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

Each Inventor: Please sign and date below:

HN90420

  
\_\_\_\_\_  
[Pavel Ivanov]

30.06.2017  
Date

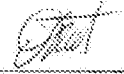
  
\_\_\_\_\_  
Witness Signature  
Printed Name LARI VIKENT

30-Jun-2017  
Date

HNS0420

  
\_\_\_\_\_  
[Lauri Aarne Johannes Wirola]

30 Jun 2017  
Date

  
\_\_\_\_\_  
Witness Signature  
Printed Name PAVEL IVANOV

30.08.2017  
Date

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4489460

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PAVEL IVANOV	06/30/2017
LAURI AARNE JOHANNES WIROLA	06/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HERE GLOBAL B.V.
<b>Street Address:</b>	KENNEDYPLEIN 222-226
<b>City:</b>	EINDHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5611 ZT
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15631662
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)291-0864
<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>	
<b>Phone:</b>	(312) 291-0860
<b>Email:</b>	docket-us@lsk-iplaw.com
<b>Correspondent Name:</b>	LEMPIA SUMMERFIELD KATZ LLC
<b>Address Line 1:</b>	20 SOUTH CLARK ST
<b>Address Line 2:</b>	SUITE 600
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60603
<b>ATTORNEY DOCKET NUMBER:</b>	10171-17016A
<b>NAME OF SUBMITTER:</b>	RYAN GLEITZ
<b>SIGNATURE:</b>	/Ryan Gleitz/
<b>DATE SIGNED:</b>	07/05/2017
<b>Total Attachments: 3</b>	
source=HN90420Assignment#page1.tif	
source=HN90420Assignment#page2.tif	
source=HN90420Assignment#page3.tif	

504442759

**PATENT**  
 REEL: 042900 FRAME: 0197

RECORDED: 01/13/2020

**PATENT**  
 REEL: 051577 FRAME: 0823