

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4970484

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                           |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                      |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                |
| LAURI AARNE JOHANNES WIROLA                                                                                                                                                                     | 07/19/2016                           |
| MUHAMMAD IRSHAN KHAN                                                                                                                                                                            | 07/21/2016                           |
| PAVEL IVANOV                                                                                                                                                                                    | 07/19/2016                           |
| JARI TAPANI SYRJÄRINNE                                                                                                                                                                          | 07/19/2016                           |
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| <b>Name:</b>                                                                                                                                                                                    | HERE GLOBAL B.V.                     |
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| <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>                                                                                                                                                                      | 15638824                             |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                      |
| <b>Fax Number:</b>                                                                                                                                                                              | (704)444-1111                        |
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| <b>Correspondent Name:</b>                                                                                                                                                                      | HERE GLOBAL/ALSTON & BIRD            |
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| <b>Address Line 2:</b>                                                                                                                                                                          | 101 SOUTH TRYON STREET, SUITE 4000   |
| <b>Address Line 4:</b>                                                                                                                                                                          | CHARLOTTE, NORTH CAROLINA 28280-4000 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 042933/500258                        |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | GUY R. GOSNELL                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Guy R. Gosnell/                     |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 05/21/2018                           |
| <b>Total Attachments: 5</b>                                                                                                                                                                     |                                      |
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# ASSIGNMENT

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

Lauri Aarne Johannes Wirola  
Muhammad Irshan Khan  
Pavel Ivanov  
Jari Tapani Syrjarinne

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):

## ANALYSIS AND MONITORING OF A POSITIONING INFRASTRUCTURE

The PATENT RIGHTS referred to in this agreement are:

☒ a national Patent Application No. 1611440.7 filed in Great Britain on June 30, 2016.  
☐ 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. \_\_\_\_\_, filed \_\_\_\_\_  
☐ 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.

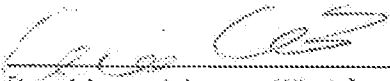
As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole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

HN90063

  
[Lauri Aarne Johannes Wirola]

19-Jul-2016  
Date

  
Witness Signature  
Printed Name JARI SYÖLIPIMMI

19.7.2016  
Date

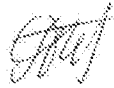
HN90083



[Muhammad Irshan Khan]

21.07.2016

Date



Witness Signature

Printed Name PAVEL IVANOV

21.07.2016

Date

HN90083



[Pavel Ivanov]

19.07.16

Date



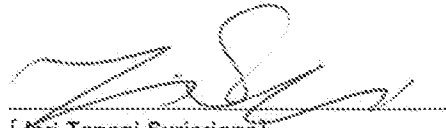
Witness Signature

Printed Name Laura Wilson

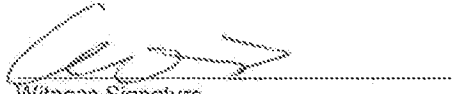
19-Jul-2016

Date

HN90083

  
[Jari Tapani Syrjarinne]

19.7.2016  
Date

  
Witness Signature  
Printed Name Lauri Wilen

19-12-2016  
Date