

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5944266

<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	03/04/2019
MARKO LUOMI	03/04/2019
PETRI RAUHALA	03/04/2019
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<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5611ZT
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16780982
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<b>ATTORNEY DOCKET NUMBER:</b>	064359/542358
<b>NAME OF SUBMITTER:</b>	GUY R. GOSNELL
<b>SIGNATURE:</b>	/Guy R. Gosnell/
<b>DATE SIGNED:</b>	02/04/2020
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

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

Lauri Aarne Johannes Wirola  
 Marko Luomi  
 Petri Rauhala

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):

**DETERMINING MOTION INFORMATION ASSOCIATED WITH A MOBILE DEVICE**

The PATENT RIGHTS referred to in this agreement are:

a national Patent Application No. \_\_\_\_\_ filed on \_\_\_\_\_  
 European Patent Application No. 19155330.4 filed on February 04, 2019.  
 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 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:

HN90821


Lauri Aarne  
[Lauri Aarne Johannes Wirola]

04-Mar-2019  
Date

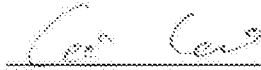
Marko Lehto  
Witness Signature  
Printed Name Marko Lehto

04-Mar-2019  
Date

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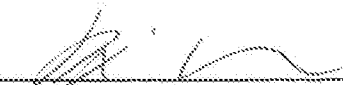
  
\_\_\_\_\_  
[Marko Luomi]

4-mar-2019  
\_\_\_\_\_  
Date

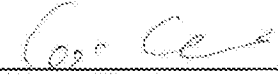
  
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Witness Signature  
Printed Name MARKO LUOMI

04-mar-2019  
\_\_\_\_\_  
Date

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\_\_\_\_\_  
[Petri Rauhaia]

04-MAR-2013  
Date

  
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Printed Name Laura Wilson

04-MAR-2013  
Date