## 505402372 03/29/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5449166

		NEW ASSIGNMENT			
NATURE OF CONVEYAN	CE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ТА				
		Name	Execution Date		
DANIEL SCHMIDT			12/23/2018		
MARINA OUSOV FRIDIN			12/23/2018		
YELENA SHNAIDER			02/23/2019		
INNA BRANEVICH			01/14/2019		
ALEXANDER MARYANOVSKY			03/13/2019		
MARCELO SAVIGNANO			01/04/2019		
RECEIVING PARTY DAT	A				
	HERE GLOBAL B.V.				
Street Address:	KENNE	DYPLEIN 222-226			
City:	EINDHC	NDHOVEN			
State/Country:	NETHER	THERLANDS			
Postal Code:	5611 ZT				
PROPERTY NUMBERS Total: 1 Property Type					
		Number			
Property Type	1	<b>Number</b> 6264108	_		
Property Type Application Number: CORRESPONDENCE DA					
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Total Attachments: 7
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## ASSIGNMENT

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

Marina Ousov Fridin Daniel Schmidt Yelena Shnaider Inna Branevich Alexander Maryanovshky Marcelo Savignano

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):

## METHOD AND APPARATUS FOR PATH RECOVERY WHEN USING MAP-BASED DYNAMIC LOCATION SAMPLING

The PATENT RIGHTS referred to in this agreement are:

The PATENT	RIGHTS referred to in this agreeme	ent are:			
_	a national Patent Application No		_filed on		
_	European Patent Application No				
-	PCT application No.				
for this invention, executed by the ASSIGNOR(S)					
<u>X</u>	U.S. Patent Application Serial No.	16/264,108	filed_ <u>January 31, 2019</u>		
_	U.S. Patent No.	, issue	d		
—					
The PATENT RIGHTS assigned under this agreement are:					
<u>X</u>	U.S. Patent rights				
X	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.				
<u>x</u>					
The PATENT RIGHTS assigned under this agreement are:					
	U.S. Patent rights	anoni are.			
X	0				
X	worldwide Patent rights. In this cas	se, the assign	nee shall have the right to claim the		

benefit of the filing date of any Patent Application identified above.

**<u>X</u>** 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.

PATENT REEL: 048744 FRAME: 0654 HN90736

Danie

[Daniel Schmidt]

Witness Signature Printed Name

23/19 Date

Date

PATENT REEL: 048744 FRAME: 0655 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:

[Marina Ousov Fridin]

D

Witness Signature Printed Name <u>Diana Schneider</u> 23.12.18

Date

02.01.19

Date

<u>, 1</u>111 [Yelena Shnaider] Wilness Signatura Printed Name 12 ANT

<u>23.02.49</u> Dete <u>23.03.19</u> Date

HN90736

[Inna Branevich]

14.01.19

Date

Witness Signature
Printed Name

Date

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:

[Alexander Maryanovsky]

13.03.2019

Date

Witness Signature
Printed Name \_\_\_\_\_

Date

HN90736

[Matgelo Savignano]

Witness Signature Printed Name <u>Cast M</u> Streaman R.

4.1.2019 Date

Date 1.2010