PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LAURI WIROLA	10/03/2013
JARI SYRJARINNE	10/03/2013
ELENA SIMONA LOHAN	08/19/2013
JUKKA TALVITIE	08/22/2013

RECEIVING PARTY DATA

Name:	HERE GLOBAL B.V.
Street Address:	DE RUN 1115
City:	VELDHOVEN
State/Country:	NETHERLANDS
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14909642

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	10371-16009A (NC82557US)	
NAME OF SUBMITTER:	RYAN GLEITZ	
SIGNATURE:	/Ryan Gleitz/	
DATE SIGNED:	02/25/2016	

Total Attachments: 4

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ASSIGNMENT - WORLDWIDE

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

Lauri Wirola Jari Syrjarinne Elena-Simon Lohan Jukka Talvitie

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. De Run 1115 5503 LB Veldhoven The Netherlands

An invention entitled (invention Title):

3D SECTORIZED PATH-LOSS MODELS FOR 3D POSITIONING OF MOBILE TERMINALS

The PATENT <u>X</u> - -	RIGHTS referred to in this agreement a national Patent Application No European Patent Application No. filed PCT application No. filed on	in Great Britain filed on
for this inventi	on, 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: X 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.		

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

the full and exclusive right to the invention;

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.);

PATENT REEL: 037821 FRAME: 0885

NC82557

Each Inventor: Please sign and date below:	
[Lauri Wirola]	<u> </u>
Witness Signature Printed Name JAPI SYRIAR	Date Date
[Jari Syrjarinne]	Os- Oct - 701) Date
Witness Signature Printed Name LAURI WIROLA	<u>03-0cf-2013</u> Date
[Elena-Simon Lohan]	Date
Witness Signature Printed Name	Date
[Jukka Talvitie]	Date
Witness Signature Printed Name	Date

NC82557

Each Inventor: Please sign and date below:	
[Lauri Wirola]	Date
Witness Signature Printed Name	Date
[Jari Syrjarinne]	Date
Witness Signature Printed Name	Date
[Elena-SimonLohan] ELENA SINGAA LOHAIY	<u>19.0%, 2013</u> Date
Witness Signature Printed Name SHIDETA SHRESTHA	<u>19.08-20/3</u> Date
[Jukka Talvitie]	Date
Witness Signature Printed Name	Date

PATENT REEL: 037821 FRAME: 0887

NC82557

Each Inventor: Please sign and date below:	
[Lauri Wirola]	Date
Witness Signature Printed Name	Date
[Jari Syrjarinne]	Date
Witness Signature Printed Name	Date
[Elena-Simon Lohan]	Date
Witness Signature Printed Name	Date
[Jukka Talvitie]	22.08.20\3 Date
Witness Signature Printed Name Oni LEVANEN	22.08.2013 Date

PATENT REEL: 037821 FRAME: 0888

RECORDED: 02/25/2016