

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RASHID MIJUMBI	06/28/2021
ABHAYA ASTHANA	07/06/2021
MARKKU KOIVUNEN	06/30/2021
HAIYONG FU	06/29/2021
QINJUN ZHU	06/28/2021
RECEIVING PARTY DATA	
Name:	NOKIA SOLUTIONS AND NETWORKS OY
Street Address:	KARAKAARI 7
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16770701
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	732-542-2280
Email:	DLANE@trbkllaw.com
Correspondent Name:	MICHAEL S. BENTLEY
Address Line 1:	TONG, REA, BENTLEY & KIM, LLC
Address Line 2:	12 CHRISTOPHER WAY, SUITE 105
Address Line 4:	EATONTOWN, NEW JERSEY 07724
ATTORNEY DOCKET NUMBER:	103912-US-PCT
NAME OF SUBMITTER:	DIANE V. LANE
SIGNATURE:	/Diane V. Lane/
DATE SIGNED:	08/19/2021
Total Attachments: 2	

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ASSIGNMENT - WORLDWIDE

ASSIGNOR(S)

Name	City	Country
Rashid Mijumbi	Dublin	Ireland
Abhaya Asthana	Framingham, Massachusetts	USA
Markku Koivunen	Espoo	Finland
Haiyong Fu	Shanghai	China
Qinjun Zhu	SiChuan	China

(Full legal name, city and country of each inventor)

ASSIGNEE

Nokia Solutions and Networks Oy
Karakaari 7, 02610 Espoo, Finland

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR(S) agree to assign and hereby assign, sell, transfer and set over to the ASSIGNEE and its successors, assigns and legal representatives, the entire right, title and interest, for United States of America and for all other countries in and to (1) the invention(s) identified by the following title or application number and filing date, and (2) any and all related inventions ("RELATED INVENTIONS" as defined below).

Application Title: METHODS AND SYSTEMS FOR GENERATION AND ADAPTATION OF NETWORK BASELINES

Application number: WO PCT/CN2017/115234

Filing date: 2017-12-08
 (YYYY-MM-DD)

I/we, the ASSIGNOR(S), hereby authorize and request a representative of the ASSIGNEE to insert the application title, application number and filing date when known/received, after the execution of this document. The ASSIGNOR(S) hereby acknowledge and agree that the ASSIGNEE shall have the right to claim priority, directly or through another patent application, to the application identified above in any and all related patent applications subsequently filed in all jurisdictions.

I/we the ASSIGNOR(S) hereby acknowledge and agree that RELATED INVENTIONS include all national, regional and international patent applications filed and to be filed in any and all jurisdictions, that claim priority to the invention(s) identified by the above title or application number and filing date, said patent applications include all divisionals, continuations, re-issues, re-examinations, and continuations-in-part applications, and RELATED INVENTIONS include all rights and privileges in said patent applications and under any and all letters patent that may be granted in the United States of America and in all other countries resulting from said patent applications.

The ASSIGNOR(S) authorize the ASSIGNEE to make applications for such protection in its own name and maintain such protection in any and all countries including the United States of America, and to invoke and claim for any application for patent or other form of protection for said invention(s), without further authorization from us, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.

The ASSIGNOR(S) hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of the ASSIGNEE to apply for patent or other form of protection for said invention(s) and to claim the aforesaid benefit of the right of priority.

The ASSIGNOR(S) request that any and all patents for said invention(s) be issued to the ASSIGNEE, its/their successors, assigns and legal representatives, in the United States of America and in all other countries, or to such nominees as the ASSIGNEE may designate.

The ASSIGNOR(S) agree that, when requested, we shall, without charge to the ASSIGNEE sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

The ASSIGNOR(S) and ASSIGNEE agree that this assignment may be executed by either handwritten signatures, including the exchange of scanned representations of handwritten signatures, or e-signatures. By using e-signature to sign this assignment, the ASSIGNOR(S) and ASSIGNEE acknowledge that execution in this manner creates a binding contract between the ASSIGNOR(S) and ASSIGNEE.

Each inventor/assignor please sign and date below:

Inventor (First Middle Last)	Signature	Date
Rashid Mijumbi	<u>Rashid Mijumbi</u> <small>Rashid Mijumbi (Jun 28, 2021 12:04 GMT-3)</small>	<u>Jun 28, 2021</u>
Abhaya Asthana	<u>Abhaya Asthana</u>	<u>Jul 6, 2021</u>
Markku Koivunen	<u>Markku Koivunen</u>	<u>Jun 30, 2021</u>
Haiyong Fu	<u>Haiyong Fu</u> <small>Haiyong Fu (Jun 29, 2021 2:04 GMT-8)</small>	<u>Jun 29, 2021</u>
Qinjun Zhu	<u>Qinjun Zhu</u> <small>Qinjun Zhu (Jun 28, 2021 12:15 GMT-3)</small>	<u>Jun 28, 2021</u>

The ASSIGNEE accepts this assignment:

Name: Anna Haipola	Signature <u>Anna Haipola</u> <small>Anna Haipola (Jun 30, 2021 12:35 GMT-3)</small>
Title: Authorized Signatory	Date <u>Jun 28, 2021</u>
Name: Per Möller	Signature <u>Per Möller</u> <small>Per Möller (Jun 28, 2021 2:02 GMT-3)</small>
Title: Authorized Signatory	Date <u>Jun 28, 2021</u>