

ASSIGNMENT - WORLDWIDE

ASSIGNOR(S)

Name	City	Country
Matha Deghel	Montrouge	France

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

ASSIGNEE

Nokia Networks France**Site Nokia Paris Saclay 12 rue Jean Bart, 91300, Massy, France**

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).

Title of Invention: ENHANCED CSI REPORTING ACTIVATION/ DEACTIVATION OPERATION

Application Title: ENHANCED CSI REPORTING ACTIVATION/DEACTIVATION OPERATION

Application number: WO PCT/CN2023/093882 **Filing date:** 2023-05-12
(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.

The ASSIGNOR(S) and ASSIGNEE have caused this assignment to be duly signed and executed on the respective dates entered below to be effective as of the date of the last signature below.

Each inventor/assignor please sign and date below:

Inventor (First Middle Last)

Signature

Date

Matha Deghel

Matha Deghel
Matha Deghel (May 10, 2023 20:11 GMT+2)

10-May-2023

The ASSIGNEE accepts this assignment:

Nokia Networks France

Name: Emmanuelle Wetzel

Signature Emmanuelle Wetzel
Emmanuelle Wetzel (May 11, 2023 09:46 GMT+2)

Title: Authorized Signatory

Date 11-May-2023

Name: Dimitris Zervas

Signature 

Title: Authorized Signatory

Date 31-May-2023

ASSIGNMENT - WORLDWIDE

ASSIGNOR(S)

Name	City	Country
Chunli Wu	Beijing	China

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

ASSIGNEE

**Nokia Solutions And Networks System Technology (Beijing) Co., Ltd.
B1-S21, Tower A, Chuangxin Building, No.11, Hepingli East Street, Dongcheng District,
Beijing, China**

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).

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The ASSIGNOR(S) and ASSIGNEE have caused this assignment to be duly signed and executed on the respective dates entered below to be effective as of the date of the last signature below.

Each inventor/assignor please sign and date below:		
Inventor (First Middle Last)	Signature	Date
Chunli Wu	<u> Chunli Wu (May 11, 2023 08:24 GMT+8)</u>	<u>11-May-2023</u>

The ASSIGNEE accepts this assignment:	
Nokia Solutions And Networks System Technology (Beijing) Co., Ltd.	
Name: Zeng Shaohai	Signature <u></u>
Title: Authorized Signatory	Date <u>11-May-2023</u>

ASSIGNMENT - WORLDWIDE

ASSIGNOR(S)

Name	City	Country
Samuli Heikki Turtinen	Ii	Finland

(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).

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The ASSIGNOR(S) and ASSIGNEE have caused this assignment to be duly signed and executed on the respective dates entered below to be effective as of the date of the last signature below.

Each inventor/assignor please sign and date below:

Inventor (First Middle Last)	Signature	Date
Samuli Heikki Turtinen	<u> Samuli Turtinen (May 10, 2023 19:16 GMT+3)</u>	<u>10-May-2023</u>

The ASSIGNEE accepts this assignment:

Nokia Solutions and Networks Oy

Name: Maryam Homayouni	Signature <u> Maryam Homayouni (May 11, 2023 11:27 GMT+3)</u>
Title: Authorized Signatory	Date <u>11-May-2023</u>
Name: Ari Hottinen	Signature <u> Ari Hottinen (May 11, 2023 10:13 GMT+3)</u>
Title: Authorized Signatory	Date <u>11-May-2023</u>

ASSIGNMENT

This assignment ("Assignment") is made by and between

Nokia Networks France, a company established and existing under the laws of **France** and having its registered office at **Site Nokia Paris Saclay 12 rue Jean Bart, 91300, Massy, France** (hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignor");

and

Nokia Shanghai Bell Co., Ltd, a company established and existing under the laws of **the People's Republic of China** and having its registered office at **388 Ning Qiao Road, China (Shanghai) Pilot Free Trade Zone, 201206, Shanghai, China** ("NSB") and **Nokia Solutions and Networks Oy**, a company established and existing under the laws of **Finland** and having its registered office at **Karakaari 7, 02610, Espoo, Finland** ("NSN"). NSB and NSN together are hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignees in PRC";

and

Nokia Technologies Oy, a company established and existing under the laws of **Finland** and having its registered office at **Karakaari 7, 02610 Espoo, Finland** (hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignee outside of PRC").

For the purposes of this Assignment only, "PRC" shall mean the People's Republic of China, excluding Taiwan, Hong Kong SAR and Macau SAR. The Assignor, Assignees in PRC, and Assignee outside of PRC together are hereafter referred to as "Parties". The Assignees in PRC and Assignee outside of PRC together are hereafter referred to as "Assignees".

WHEREAS, Assignor owns an interest in and to the invention or inventions identified below by the invention docket reference number and title ("Invention(s)"), as well as the patent application(s) filed with respect to said Invention(s) and listed below;

WHEREAS, Assignees in PRC want to acquire the entire right, title and interest in and to the rights listed below for the PRC, and Assignor is willing to enter into such assignment;

WHEREAS, Assignee outside of PRC wants to acquire the entire right, title and interest in and to the rights listed below for all countries, jurisdictions and political entities of the world outside of the PRC, and Assignor is willing to enter into such assignment;

NOW, THEREFORE, in consideration of the promises herein and for good and valuable consideration, the receipt of which from Assignees in PRC and Assignee outside of PRC is hereby acknowledged and confirmed, Assignor hereby acknowledges that Assignor has assigned, sold, transferred, conveyed, granted, and set over, and by these presents does hereby assign, sell, transfer, convey, grant, and set over, subject to existing rights, licenses and/or obligations of or to third parties, if any, unto Assignees in PRC, all of Assignor's right, title and interest for the PRC; and unto Assignee outside of PRC, all of Assignor's right, title and interest for all countries, jurisdictions and political entities of the world outside of the PRC, in and to any and all of the following (collectively, "Rights"):

- (a) The Invention(s)

Invention Docket Reference Number	Title
NC328886	ENHANCED CSI REPORTING ACTIVATION/DEACTIVATION OPERATION

and all the intellectual property rights and privileges under any and all forms of protection, including but not limited to;

- (b) The patent application(s) filed with respect to said Invention(s)

PCT/CN2023/093882 filed with China Receiving Office on 12-May-2023

and patent applications, foreign patent applications, or other applications that may be filed for protection including, without limitation, applications for certificates of invention, utility models, industrial design protection, design patent protection, and provisional patent applications wherever filed, with respect to the Invention(s), (collectively, "Applications") in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC, including all rights to file and prosecute the Applications in the PRC directly in the name of Assignees in PRC, and Applications outside of the PRC directly in the name of Assignee outside of PRC;

- (c) All patents including, without limitation, foreign patents, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Invention(s) or the Applications (collectively, "Patents") in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (d) All renewals, reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations-in-part, continuing prosecution applications, divisions, divisionals, or registrations of, any item in any of the foregoing categories (b) or (c) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (e) The right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) in the PRC to the Assignees in PRC and the right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) for all countries, jurisdictions and political entities of the world to the Assignee outside of PRC and for Assignees to otherwise avail themselves of the provisions of the international conventions governing the protection of inventions;
- (f) All causes of action and enforcement rights related to any of the foregoing categories (a), (b), (c) or (d) (including, without limitation, the right to sue and to pursue damages, settlements, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (g) All rights to license and to collect royalties and other payments under or on account of any of the foregoing categories (a), (b), (c) or (d) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC; and
- (h) Any and all other rights and interests arising out of, in connection with, or in relation to any of the foregoing categories (a), (b), (c) or (d) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC,

with respect to which, and to the extent to which, Assignor had or has acquired the right to so assign, sell, convey, grant, transfer, set over, and deliver.

Assignor requests the respective patent office or governmental agency in the PRC to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignees in PRC to the Assignor's entire interest therein. Assignor requests the respective patent office or governmental agency in each jurisdiction outside of the PRC to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee outside of PRC to the Assignor's entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignees, their successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

In the event that a clause or term of this Assignment is regarded invalid, illegal or unenforceable, such invalidity shall not affect the validity of the remaining clauses or terms. The Parties must replace such invalid, illegal or unenforceable clauses or terms with valid clauses or terms that best express the Parties' intent at the time of signing the Assignment.

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 Parties acknowledge that execution in this manner creates a binding contract between the Parties.

IN WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed by its duly authorized representatives on the respective dates entered below to be effective as of the date of the last signature below.

ASSIGNOR:

Nokia Networks France

By: Karine Berthier
Karine Berthier (Jun 14, 2023 12:14 GMT+2)

Name: Karine Berthier

Title: Authorized Signatory

Date: 14-Jun-2023

ASSIGNOR:

Nokia Networks France

By: yves vincent
yves vincent (Jun 7, 2023 15:57 GMT+2)

Name: yves vincent

Title: Authorized Signatory

Date: 07-Jun-2023

ASSIGNEES IN PRC:

Nokia Shanghai Bell Co., Ltd

By: Edward Zhang

Name: Edward Zhang

Title: Authorized Signatory

Date: 08-Jun-2023

Nokia Solutions and Networks Oy

By: Mikko Blomroos
Mikko Blomroos (Jun 7, 2023 17:21 GMT+3)

Name: Mikko Blomroos

Title: Authorized Signatory

Date: 07-Jun-2023

Nokia Solutions and Networks Oy

By: Amitabh Dixit
Amitabh Dixit (Jun 8, 2023 09:14 GMT+3)

Name: Amitabh Dixit

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE OUTSIDE OF PRC:

Nokia Technologies Oy

By: Sami Saru
Sami Saru (Jun 8, 2023 12:49 GMT+3)

Name: Sami Saru

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE OUTSIDE OF PRC:

Nokia Technologies Oy

By: Mikko Alatossava
Mikko Alatossava (Jun 7, 2023 18:34 GMT+3)

Name: Mikko Alatossava

Title: Authorized Signatory

Date: 07-Jun-2023

ASSIGNMENT

This assignment ("Assignment") is made by and between

Nokia Solutions And Networks System Technology (Beijing) Co., Ltd., a company established and existing under the laws of **China** and having its registered office at **B1-S21, Tower A, Chuangxin Building, No.11, Hepingli East Street, Dongcheng District, Beijing, China** (hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignor");

and

Nokia Shanghai Bell Co., Ltd, a company established and existing under the laws of **the People's Republic of China** and having its registered office at **388 Ning Qiao Road, China (Shanghai) Pilot Free Trade Zone, 201206, Shanghai, China** ("NSB") and **Nokia Solutions and Networks Oy**, a company established and existing under the laws of **Finland** and having its registered office at **Karakaari 7, 02610, Espoo, Finland** ("NSN"). NSB and NSN together are hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignees in PRC";

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WHEREAS, Assignor owns an interest in and to the invention or inventions identified below by the invention docket reference number and title ("Invention(s)"), as well as the patent application(s) filed with respect to said Invention(s) and listed below;

WHEREAS, Assignees in PRC want to acquire the entire right, title and interest in and to the rights listed below for the PRC, and Assignor is willing to enter into such assignment;

WHEREAS, Assignee outside of PRC wants to acquire the entire right, title and interest in and to the rights listed below for all countries, jurisdictions and political entities of the world outside of the PRC, and Assignor is willing to enter into such assignment;

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- (a) The Invention(s)

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- (d) All renewals, reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations-in-part, continuing prosecution applications, divisions, divisionals, or registrations of, any item in any of the foregoing categories (b) or (c) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (e) The right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) in the PRC to the Assignees in PRC and the right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) for all countries, jurisdictions and political entities of the world to the Assignee outside of PRC and for Assignees to otherwise avail themselves of the provisions of the international conventions governing the protection of inventions;
- (f) All causes of action and enforcement rights related to any of the foregoing categories (a), (b), (c) or (d) (including, without limitation, the right to sue and to pursue damages, settlements, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
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The terms and conditions of this Assignment will inure to the benefit of Assignees, their successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

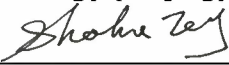
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Nokia Solutions And Networks System Technology (Beijing) Co., Ltd.

By: 

Name: Zeng Shaohai

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEES IN PRC:

Nokia Shanghai Bell Co., Ltd

By: 

Name: Edward Zhang

Title: Authorized Signatory

Date: 08-Jun-2023

Nokia Solutions and Networks Oy

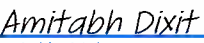
By:  Mikko Blomroos (Jun 7, 2023 17:21 GMT+3)

Name: Mikko Blomroos

Title: Authorized Signatory

Date: 07-Jun-2023

Nokia Solutions and Networks Oy

By:  Amitabh Dixit (Jun 8, 2023 09:14 GMT+3)

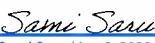
Name: Amitabh Dixit

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE OUTSIDE OF PRC:

Nokia Technologies Oy

By:  Sami Saru (Jun 8, 2023 12:49 GMT+3)

Name: Sami Saru

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE OUTSIDE OF PRC:

Nokia Technologies Oy

By:  Mikko Alatossava (Jun 7, 2023 18:34 GMT+3)

Name: Mikko Alatossava

Title: Authorized Signatory

Date: 07-Jun-2023

ASSIGNMENT

This assignment ("Assignment") is made by and between

Nokia Solutions and Networks Oy, a company established and existing under the laws of **Finland** and having its registered office at **Karakaari 7, 02610, Espoo, Finland** (hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignor");

and

Nokia Shanghai Bell Co., Ltd, a company established and existing under the laws of **the People's Republic of China** and having its registered office at **388 Ning Qiao Road, China (Shanghai) Pilot Free Trade Zone, 201206, Shanghai, China** ("NSB") and **Nokia Solutions and Networks Oy**, a company established and existing under the laws of **Finland** and having its registered office at **Karakaari 7, 02610, Espoo, Finland** ("NSN"). NSB and NSN together are hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignees in PRC";

and

Nokia Technologies Oy, a company established and existing under the laws of **Finland** and having its registered office at **Karakaari 7, 02610 Espoo, Finland** (hereafter, together with any successors, legal representatives or assigns thereof, referred to as "Assignee outside of PRC").

For the purposes of this Assignment only, "PRC" shall mean the People's Republic of China, excluding Taiwan, Hong Kong SAR and Macau SAR. The Assignor, Assignees in PRC, and Assignee outside of PRC together are hereafter referred to as "Parties". The Assignees in PRC and Assignee outside of PRC together are hereafter referred to as "Assignees".

WHEREAS, Assignor owns an interest in and to the invention or inventions identified below by the invention docket reference number and title ("Invention(s)"), as well as the patent application(s) filed with respect to said Invention(s) and listed below;

WHEREAS, Assignees in PRC want to acquire the entire right, title and interest in and to the rights listed below for the PRC, and Assignor is willing to enter into such assignment;

WHEREAS, Assignee outside of PRC wants to acquire the entire right, title and interest in and to the rights listed below for all countries, jurisdictions and political entities of the world outside of the PRC, and Assignor is willing to enter into such assignment;

NOW, THEREFORE, in consideration of the promises herein and for good and valuable consideration, the receipt of which from Assignees in PRC and Assignee outside of PRC is hereby acknowledged and confirmed, Assignor hereby acknowledges that Assignor has assigned, sold, transferred, conveyed, granted, and set over, and by these presents does hereby assign, sell, transfer, convey, grant, and set over, subject to existing rights, licenses and/or obligations of or to third parties, if any, unto Assignees in PRC, all of Assignor's right, title and interest for the PRC; and unto Assignee outside of PRC, all of Assignor's right, title and interest for all countries, jurisdictions and political entities of the world outside of the PRC, in and to any and all of the following (collectively, "Rights"):

- (a) The Invention(s)

Invention Docket Reference Number	Title
NC328886	ENHANCED CSI REPORTING ACTIVATION/DEACTIVATION OPERATION

and all the intellectual property rights and privileges under any and all forms of protection, including but not limited to;

- (b) The patent application(s) filed with respect to said Invention(s)

PCT/CN2023/093882 filed with China Receiving Office on 12-May-2023

and patent applications, foreign patent applications, or other applications that may be filed for protection including, without limitation, applications for certificates of invention, utility models, industrial design protection, design patent protection, and provisional patent applications wherever filed, with respect to the Invention(s), (collectively, "Applications") in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC, including all rights to file and prosecute the Applications in the PRC directly in the name of Assignees in PRC, and Applications outside of the PRC directly in the name of Assignee outside of PRC;

- (c) All patents including, without limitation, foreign patents, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Invention(s) or the Applications (collectively, "Patents") in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (d) All renewals, reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations-in-part, continuing prosecution applications, divisions, divisionals, or registrations of, any item in any of the foregoing categories (b) or (c) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (e) The right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) in the PRC to the Assignees in PRC and the right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) for all countries, jurisdictions and political entities of the world to the Assignee outside of PRC and for Assignees to otherwise avail themselves of the provisions of the international conventions governing the protection of inventions;
- (f) All causes of action and enforcement rights related to any of the foregoing categories (a), (b), (c) or (d) (including, without limitation, the right to sue and to pursue damages, settlements, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC;
- (g) All rights to license and to collect royalties and other payments under or on account of any of the foregoing categories (a), (b), (c) or (d) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC; and
- (h) Any and all other rights and interests arising out of, in connection with, or in relation to any of the foregoing categories (a), (b), (c) or (d) in the PRC to the Assignees in PRC and outside of the PRC to the Assignee outside of PRC,

with respect to which, and to the extent to which, Assignor had or has acquired the right to so assign, sell, convey, grant, transfer, set over, and deliver.

Assignor requests the respective patent office or governmental agency in the PRC to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignees in PRC to the Assignor's entire interest therein. Assignor requests the respective patent office or governmental agency in each jurisdiction outside of the PRC to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee outside of PRC to the Assignor's entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignees, their successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

In the event that a clause or term of this Assignment is regarded invalid, illegal or unenforceable, such invalidity shall not affect the validity of the remaining clauses or terms. The Parties must replace such invalid, illegal or unenforceable clauses or terms with valid clauses or terms that best express the Parties' intent at the time of signing the Assignment.

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 Parties acknowledge that execution in this manner creates a binding contract between the Parties.

IN WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed by its duly authorized representatives on the respective dates entered below to be effective as of the date of the last signature below.

ASSIGNOR, ASSIGNEE IN PRC:

Nokia Solutions and Networks Oy

By: Mikko Blomroos
Mikko Blomroos (Jun 7, 2023 17:21 GMT+3)

Name: Mikko Blomroos

Title: Authorized Signatory

Date: 07-Jun-2023

ASSIGNOR, ASSIGNEE IN PRC:

Nokia Solutions and Networks Oy

By: Amitabh Dixit
Amitabh Dixit (Jun 8, 2023 09:14 GMT+3)

Name: Amitabh Dixit

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE IN PRC:

Nokia Shanghai Bell Co., Ltd

By: Edward Zhang

Name: Edward Zhang

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE OUTSIDE OF PRC:

Nokia Technologies Oy

By: Sami Saru
Sami Saru (Jun 8, 2023 12:49 GMT+3)

Name: Sami Saru

Title: Authorized Signatory

Date: 08-Jun-2023

ASSIGNEE OUTSIDE OF PRC:

Nokia Technologies Oy

By: Mikko Alatossava
Mikko Alatossava (Jun 7, 2023 18:34 GMT+3)

Name: Mikko Alatossava

Title: Authorized Signatory

Date: 07-Jun-2023