

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8268065

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                                   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                       |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>                            |
| ANMIN FU  | 11/04/2023                                       |
| JINGYU FENG   | 11/04/2023                                       |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | XI'AN UNIVERSITY OF POSTS AND TELECOMMUNICATIONS |
| <b>Street Address:</b>  | CHANG'AN WEST STREET, CHANG'AN DISTRICT          |
| <b>City:</b>  | XI'AN, SHAANXI, P.R.C                            |
| <b>State/Country:</b>   | CHINA  |
| <b>Postal Code:</b>   | 710121   |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>                                    |
| <b>Application Number:</b>  | 17253056   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  |  |
| <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> |  |
| <b>Email:</b>   | Nokia.IPR@nokia.com                              |
| <b>Correspondent Name:</b>  | NOKIA OF AMERICA CORPORATION                     |
| <b>Address Line 1:</b>  | 600-700 MOUNTAIN AVENUE                          |
| <b>Address Line 4:</b>  | MURRAY HILL, NEW JERSEY 07974-0636               |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 105492-US-PCT                                    |
| <b>NAME OF SUBMITTER:</b>   | MUKESH KUMAR SRIWASTAVA                          |
| <b>SIGNATURE:</b>   | /Mukesh Kumar Sriwastava/                        |
| <b>DATE SIGNED:</b>   | 11/09/2023                                       |
| <b>Total Attachments: 8</b>   |  |
| source=NC105492_Executed Assignment signed between Nokia and XUPT#page1.tif   |  |
| source=NC105492_Executed Assignment signed between Nokia and XUPT#page2.tif   |  |
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**PATENT**

**REEL: 065507 FRAME: 0463**

## INVENTION ASSIGNMENT AGREEMENT

This Invention Assignment Agreement ("Agreement") is made by and between **XI'AN UNIVERSITY OF POSTS AND TELECOMMUNICATIONS**, an entity organized under the laws of the People's Republic of China having its registered office at Chang'an West Street, Chang'an District, Xi'an, Shaanxi, 710121, P.R.C. ("XUPT") and **NOKIA TECHNOLOGIES OY**, a company organized under the laws of Finland, having its registered office at Karakaari 7, FI-02610 Espoo, Finland ("Nokia"), together referred to as "Parties".

### WHEREAS:

- (A) XUPT owns an interest in and to the invention identified below by the invention docket reference number and the title of the invention or the application number and filing date ("Invention"). The Invention was created in a research/collaboration project ("Project") between XUPT and Nokia Technologies Oy. The results of the Project are governed by the Project Agreement between XUPT and Nokia Technologies Oy dated March 1, 2017 ("Project Agreement");

Nokia invention docket reference number NC105492

Title of invention disclosure: Efficient and Secure Runtime Attestation for IoT Devices

Application Title: Method and apparatus for attestation

Application number: PCT/CN2018/092814 Filing date: 2018-06-26  
(YYYY-MM-DD)

XUPT hereby authorizes and requests a representative of Nokia to insert the application title, application number and filing date when known/received, even after the execution of this document.

- (B) Nokia desires to acquire XUPT's entire right, title and interest in and to the Invention which XUPT has agreed to assign.

### NOW THEREFORE IT IS HEREBY AGREED:

1. The Parties acknowledge and agree that in consideration of the promises herein and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and confirmed, XUPT hereby acknowledges that XUPT has assigned, sold, transferred, conveyed, granted, and set over, and by these presents does hereby assign, sell, transfer, convey, grant and set over to Nokia and all its successors, assigns and legal representatives the entire right, title and interest (1) in and to the Invention for the United States of America and for all other countries, jurisdictions and political entities of the world, and (2) in and to any and all related inventions ("Related Inventions" as defined below), in accordance with Clause 3 of the Project Agreement.

2. The Parties hereby acknowledge and agree that Related Inventions include all national, regional and international patent applications or any 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, that may be granted, registered, or issued with respect to the Invention in any and all jurisdictions, that claim priority to the Invention under Paris Convention (collectively "Applications"). Said Applications include all renewals, reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations-in-part, continuing prosecution applications, divisions, divisionals or registrations, and Related Inventions include all rights and privileges in said 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 Applications.
3. XUPT hereby assigns to Nokia all rights to file and prosecute any and all Applications directly in the name of Nokia.
4. XUPT hereby assigns to Nokia all causes of action and enforcement rights related to the Invention and Related Inventions, including, without limitation, the right to sue and to pursue damages, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto.
5. XUPT hereby authorizes Nokia and all its successors, assigns and legal representatives to make applications for such protection in its own name and to 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 the Invention, without further authorization from XUPT, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.
6. XUPT and Nokia hereby consent that a copy of Agreement 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 Nokia to apply for patent or other form of protection for the Invention and to claim the aforesaid benefit of the right of priority.
7. XUPT requests the respective patent office or governmental agency in each jurisdiction to grant or issue any and all patents or other type of protection for the Invention to Nokia, its successors, assigns and legal representatives, in the United States of America and in all other countries, or to such nominees as Nokia may designate.
8. XUPT undertakes to sign, without charge to Nokia, any documents necessary for patent prosecution and provide Nokia with assistance in maintaining, enforcing or assigning any rights of Nokia to the Invention.

9. XUPT undertakes not to disclose any parts of the Invention to any third party until and unless and only to the extent the Invention has become public.
10. The terms and conditions of this Agreement will inure to the benefit of Nokia, its successors or assigns, and anyone properly designated by them and will be binding upon XUPT, its successors or assigns, and anyone properly designated by them.
11. In the event that a clause or term of this Agreement 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 Agreement.
12. This Agreement 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 Agreement, the Parties acknowledge that execution in this manner creates a binding contract between the Parties.
13. The following Annex is hereby incorporated in this Agreement:
  - a. Annex 1 – Inventor Assignment Agreement

**[REMAINDER OF THE PAGE INTENTIONALLY LEFT BLANK]**

**IN WITNESS** whereof the Parties have caused this Agreement to be duly signed and executed on the respective dates entered below to be effective as of the date of the last signature below or on the date of the last signature of the Annex 1 – Inventor Assignment Agreement, whichever occurs later:

**XI'AN UNIVERSITY OF POSTS AND TELECOMMUNICATIONS**

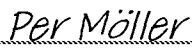
Signature:   
Jingyu Feng (Oct 27, 2023 19:57 GMT+8)

Name: Jingyu Feng

Title: Dr

Date: 27-Oct-2023

**NOKIA TECHNOLOGIES OY**

Signature:   
Per Möller (Oct 27, 2023 13:59 GMT+3)

Name: Per Moller

Title: Authorized Signatory

Date: 27-Oct-2023

Signature:   
Leena Hyvärinen (Oct 27, 2023 13:18 GMT+3)

Name: Leena Hyvarinen

Title: Authorized Signatory

Date: 27-Oct-2023

## INVENTOR ASSIGNMENT AGREEMENT

This Inventor Assignment Agreement ("Inventor Assignment"), Annex 1 to the Invention Assignment Agreement between Xi'an University of Posts and Telecommunications and Nokia Technologies Oy ("Agreement"), is made by and between

| Name        | City  | Country |
|-------------|-------|---------|
| Anmin Fu    | Xi'an | China   |
| Jingyu Feng | Xi'an | China   |

(Name, city and country of each inventor)

("Assignor(s)")

and

### XI'AN UNIVERSITY OF POSTS AND TELECOMMUNICATIONS

Chang'an West Street, Chang'an District, Xi'an, Shaanxi, 710121, P.R.C.

("Assignee")

### WHEREAS:

- (A) Assignor(s) own(s) an interest in and to the invention identified below by the invention docket reference number and the title of the invention or the application number and filing date ("Invention"). The Invention was created in a research/collaboration project between Assignee and Nokia Technologies Oy. Assignor(s) are employed by Assignee;

Nokia invention docket reference number NC105492

Title of invention disclosure: Efficient and Secure Runtime Attestation for IoT Devices

Application Title: Method and apparatus for attestation

Application number: PCT/CN2018/092814 Filing date: 2018-06-26  
(YYYY-MM-DD)

Assignor(s) hereby authorize and request Assignee and its successors, assigns and legal representatives to insert the application title, application number and filing date when known/received, even after the execution of this document.

- (B) Assignee desires to acquire Assignor(s)'s entire right, title and interest in and to the Invention which Assignor(s) has/have agreed to assign.

Annex 1

**NOW THEREFORE IT IS HEREBY AGREED:**

1. Assignor(s) and Assignee acknowledge and agree that in consideration of the promises herein and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor(s) hereby acknowledge(s) that the Assignor(s) has/have assigned, sold, transferred, conveyed, granted, and set over, and by these presents does/do hereby assign, sell, transfer, convey, grant and set over to the Assignee and its successors, assigns and legal representatives, the entire right, title and interest (1) in and to the Invention for United States of America and for all other countries, jurisdictions and political entities of the world, and (2) in and to any and all related inventions ("Related Inventions" as defined below).
2. The Assignor(s) hereby acknowledge and agree that Related Inventions include all national, regional and international patent applications or any 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, that may be granted, registered, or issued with respect to the Invention in any and all jurisdictions, that claim priority to the Invention (collectively "Applications"). Said Applications include all renewals, reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations-in-part, continuing prosecution applications, divisions, divisionals or registrations, and Related Inventions include all rights and privileges in said 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 Applications.
3. The Assignor(s) hereby assign to Assignee all rights to file and prosecute any and all Applications directly in the name of Assignee.
4. The Assignor(s) hereby assign to Assignee and its successors, assigns and legal representatives all causes of action and enforcement rights related to the Invention and Related Inventions, including, without limitation, the right to sue and to pursue damages, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto.
5. The Assignor(s) hereby authorize the Assignee and its successors, assigns and legal representatives 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 the Invention, without further authorization from Assignor(s), any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.
6. The Assignor(s) hereby consent that a copy of this Inventor 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 and its successors, assigns and legal representatives to apply for patent or other form of protection for the Invention and to claim the aforesaid benefit of the right of priority.
7. The Assignor(s) request the respective patent office or governmental agency in each jurisdiction to grant or issue any and all patents or other type of protection for the Invention 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.

8. The Assignor(s) agree that, when requested, we shall, without charge to the Assignee, its/their successors, assigns and legal representatives 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.
9. The terms and conditions of this Inventor Assignment will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignor(s), its successors or assigns, and anyone properly designated by them.
10. In the event that a clause or term of this Inventor Assignment is regarded invalid, illegal or unenforceable, such invalidity shall not affect the validity of the remaining clauses or terms. The Assignor(s) and Assignee must replace such invalid, illegal or unenforceable clauses or terms with valid clauses or terms that best express the Assignor(s) and the Assignee's intent at the time of signing the Inventor Assignment.
11. The Assignor(s) and Assignee agree that this Inventor 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 Inventor Assignment, the Assignor(s) and Assignee acknowledge that execution in this manner creates a binding contract between the Assignor(s) and Assignee.

**IN WITNESS** whereof the Assignor(s) and Assignee have caused this Inventor 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 or on the date of the last signature of the Agreement, whichever occurs later:

Annex 1

**PATENT**  
**REEL: 065507 FRAME: 0470**

|                 |  |             |
|-----------------|--|-------------|
| Inventor (Name) | Signature  | Date        |
| Jingyu Feng     | <u>Jingyu Feng</u><br>Jingyu Feng (Oct 27, 2023 13:57 GMT+8) | 27-Oct-2023 |
| Anmin Fu        | <u>Anmin Fu</u><br>Anmin Fu (Nov 4, 2023 10:42 GMT+8)        | 04-Nov-2023 |

|   |                    |           |  |
|---|--------------------|-----------|--|
| <b>XI'AN UNIVERSITY OF POSTS AND TELECOMMUNICATIONS</b> |                    |           |  |
| Name  | <u>Jingyu Feng</u> | Signature | <u>Jingyu Feng</u><br>Jingyu Feng (Oct 27, 2023 13:57 GMT+8) |
| Title   | <u>Dr</u>          | Date      | <u>27-Oct-2023</u>   |