



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 23, 2021

PTAS

ALSTON & BIRD LLP
BANK OF AMERICA PLAZA
101 SOUTH TRYON STREET, SUITE 4000
CHARLOTTE, NC 28280-4000

506516079

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/22/2021

REEL/FRAME: 055351/0567
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 042933/553736

ASSIGNOR:

LIU, JENNIFER

DOC DATE: 09/12/2018

ASSIGNEE:

NOKIA TECHNOLOGIES OY
KARAKAARI 7
ESPOO, FINLAND 02610

APPLICATION NUMBER: 17266295

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR SECURITY REALIZATION OF CONNECTIONS
OVER HETEROGENEOUS ACCESS NETWORKS

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

**United States Patent and Trademark Office**[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)**Electronic Patent Assignment System**

Confirmation Receipt

Your assignment has been received by the USPTO.
The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>JENNIFER LIU</td><td>09/12/2018</td></tr></table>	Name	Execution Date	JENNIFER LIU	09/12/2018							
Name	Execution Date										
JENNIFER LIU	09/12/2018										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>NOKIA TECHNOLOGIES OY</td></tr><tr><td>Street Address:</td><td>KARAKAARI 7</td></tr><tr><td>City:</td><td>ESPOO</td></tr><tr><td>State/Country:</td><td>FINLAND</td></tr><tr><td>Postal Code:</td><td>02610</td></tr></table>	Name:	NOKIA TECHNOLOGIES OY	Street Address:	KARAKAARI 7	City:	ESPOO	State/Country:	FINLAND	Postal Code:	02610	
Name:	NOKIA TECHNOLOGIES OY										
Street Address:	KARAKAARI 7										
City:	ESPOO										
State/Country:	FINLAND										
Postal Code:	02610										
PROPERTY NUMBERS Total: 1											
<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>17266295</td></tr></table>	Property Type	Number	Application Number:	17266295							
Property Type	Number										
Application Number:	17266295										
CORRESPONDENCE DATA											
Fax Number:	(704)444-1111										
Phone:	7044441000										

Email: usptomail@alston.com <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> Correspondent Name: ALSTON & BIRD LLP Address Line 1: BANK OF AMERICA PLAZA Address Line 2: 101 SOUTH TRYON STREET, SUITE 4000 Address Line 4: CHARLOTTE, NORTH CAROLINA 28280-4000	
ATTORNEY DOCKET NUMBER:	042933/553736
NAME OF SUBMITTER:	CARTER W. REEB
Signature:	/Carter W. Reeb/
Date:	02/22/2021
Total Attachments: 2 source=2021_02_17_553736_NC307251_Executed assignment#page1.tif source=2021_02_17_553736_NC307251_Executed assignment#page2.tif	
RECEIPT INFORMATION EPAS ID: PAT6562854 Receipt Date: 02/22/2021	

[Return to home page](#)

| [.HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

ASSIGNMENT AND AGREEMENT

For value received, we, **Jennifer Liu**, Texas, United States of America, hereby sell, assign and transfer to **Nokia Technologies OY**, (hereinafter "**Nokia Technologies**"), a corporation established and existing under the laws of Finland, and having its principal place of business at Karaportti 3, 02610 Espoo, Finland, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "**METHOD AND APPARATUS FOR SECURITY REALIZATION OF CONNECTIONS OVER HETEROGENEOUS ACCESS NETWORKS**" described in an application for Letters Patent of the United States, Application No. **62/716887**, filed **August 09, 2018**, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to **Nokia Technologies** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize **Nokia Technologies** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We 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 **Nokia Technologies** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to **Nokia Technologies** in the United States and in all countries foreign to the United States, or to such nominees as **Nokia Technologies** may designate.

We agree that, when requested, we shall, without charge to **Nokia Technologies** but at its expense, 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.

Inventor: Jennifer Liu

Signature:  _____

Date: Sep 12, 2018

CESIÓN Y ACUERDO

Por el valor recibido, nosotros, **Jennifer Liu**, Texas, Estados Unidos, por el presente vendemos, cedemos y transferimos a **Nokia Technologies OY**, (a continuación, "**Nokia Technologies**"), una sociedad establecida y existente bajo las leyes de Finlandia, y que tiene su sede principal de negocios en Karaportti 3, 02610 Espoo, Finlandia, y sus sucesores, beneficiarios y representantes legales, el pleno derecho, título e interés, para los Estados Unidos de América, de y para ciertas invenciones relacionadas con "**MÉTODO Y APARATO PARA LA REALIZACIÓN DE CONEXIONES SEGURAS A TRAVÉS DE REDES DE ACCESO HETEROGÉNEAS** " descrita en una solicitud de Cartas Patentes de los Estados Unidos, **62/716887**, presentada el **09 de agosto de 2018**, y todos los derechos y privilegios en dicha solicitud y bajo todas y cada una de las Cartas Patentes que se puedan otorgar en los Estados Unidos para dichas invenciones; y también, al mismo tiempo, vendemos, cedemos y transferimos a **Nokia Technologies** el pleno derecho, título e interés de y para dichas invenciones para todos los otros países, incluyendo todos los derechos de prioridad que surjan de la solicitud mencionada anteriormente, y todos los derechos y privilegios bajo todas y cada una de las formas de protección, incluyendo las Cartas de Patentes, que puedan otorgarse en dichos otros países para dichas invenciones.

Autorizamos a **Nokia Technologies** a solicitar dicha protección en su propio nombre y mantener dicha protección en todos y cada uno de los otros países, y a invocar y reclamar cualquier solicitud de patente u otra forma de protección para dichas invenciones, sin autorización adicional de nosotros, todos y cada uno de los beneficios, incluyendo el derecho de prioridad proporcionado por todos y cada uno de los tratados, convenciones o acuerdos.

Por la presente, aceptamos que una copia de esta cesión se considerará un equivalente legal y formal completo de cualquier documento que pueda ser requerido en cualquier país como prueba del derecho de **Nokia Technologies** para solicitar una patente u otra forma de protección para dichas invenciones y para reclamar el beneficio mencionado anterior del derecho de prioridad.

Solicitamos que todas y cada una de las patentes de dichas invenciones se emitan a **Nokia Technologies** en los Estados Unidos y en todos los otros países, o a tales nominados que **Nokia Technologies** pueda designar.

Acordamos que, cuando se nos solicite, firmaremos todos los documentos y realizaremos todos los actos que sean necesarios, deseables o convenientes en relación con dichas solicitudes, patentes u otras formas de protección, sin cargo a **Nokia Technologies** sino a su cargo.

Inventor: Jennifer Liu

Firma: _____ [firma ilegible]

Fecha: _____ 12/09/2018