

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5978954

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NOKIA SHANGHAI BELL CO., LTD.	01/29/2019
NOKIA SOLUTIONS AND NETWORKS OY	03/05/2019
RECEIVING PARTY DATA	
Name:	NOKIA TECHNOLOGIES OY
Street Address:	KARAPORTTI 3
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16641568
CORRESPONDENCE DATA	
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<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:	650-868-6292
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Address Line 4:	SUNNYVALE, CALIFORNIA 94086
ATTORNEY DOCKET NUMBER:	103655US NSB&NSN TO TECH
NAME OF SUBMITTER:	SANDY FONG
SIGNATURE:	/Sandy Fong/
DATE SIGNED:	02/24/2020
Total Attachments: 4	
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ASSIGNMENT

This assignment is effective as of **20 September 2018**.

This assignment ("Assignment") is by and between Nokia Shanghai Bell Co., Ltd., a corporation established and existing under the laws of the People's Republic of China and having its principal place of business at 388 Ningqiao Road, Shanghai, 201206, People's Republic of China ("NSB") and Nokia Solutions and Networks Oy, a corporation established and existing under the laws of Finland and having its principal place of business at Karaportti 3, 02610 Espoo, Finland ("NSN", collectively as "Assignors" with NSB) and Nokia Technologies Oy, a corporation established and existing under the laws of Finland and having its principal place of business at Karaportti 3, 02610 Espoo, Finland ("Assignee").

1. Assignor and Assignee acknowledge that Assignor has previously entered into the Amended, Restated and Supplemented General Technology Agreement dated July 1, 2017 ("restated GTA") with Assignee's parent company, Nokia Corporation, and this Assignment does not and shall not be construed as amending or affecting any provisions of that restated GTA.
2. Nothing in this Assignment shall sell, assign, transfer, convey, affect or limit, in any way, any of Assignor's rights within the People's Republic of China (excluding Taiwan, Hong Kong SAR and Macau SAR).
3. As agreed in the restated GTA, Assignor does hereby sell, assign, transfer and convey, subject to any existing rights, licenses and/or obligations of or to third parties, all of Assignor's right, title and interest, for all countries, jurisdictions and political entities of the world outside of the People's Republic of China (excluding Taiwan, Hong Kong SAR and Macau SAR), in and to any and all of the following (collectively, "Rights"):
 - (a) The right to claim any and all priority rights deriving or arising from PCT/CN2017/104045 filed before the State Intellectual Property Office of the People's Republic of China on 28-Sep-2017 ("Original Application") and any 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, which use the Original Application as a priority document (collectively, "Applications") including all rights to file and prosecute such Applications directly in the name of Assignee;
 - (b) All patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Applications (collectively, "Patents");
 - (c) All patents and patent applications for which any of these Applications or Patents directly or indirectly form a basis for priority;
 - (d) All reissues, requests for continuing examinations, re-examinations,

extensions, continuations, continuations in part, continuing prosecution applications, divisions, or registrations of, any item in any of the any of the foregoing categories (a), (b) or (c)

- (e) The right to claim priority rights deriving or arising from any of the foregoing categories (a), (b), (c), (d) or (e) and for Assignee to otherwise avail itself 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), (d), or (e) (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);
- (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), (d), or (e); 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), (d), or (e),

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

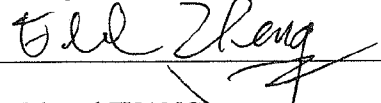
Assignor requests the respective patent office or governmental agency in each jurisdiction to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of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

The terms and conditions of this Assignment will inure to the benefit of Assignee, its 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 WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed in duplicate originals by its duly authorized representatives as of the Effective Date.

ASSIGNOR

Nokia Shanghai Bell Co., Ltd.

By: 

Name: Edward ZHANG


Title: EDGM-Strategy & Innovation of
Nokia Shanghai Bell Co., Ltd.

Date: 29 January 2019



ASSIGNOR

Nokia Solutions and Networks Oy

By: 

Name: Per Möller
Authorized Signatory

Title: Espoo, Finland

Date: 05. 03. 2019

ASSIGNOR

Nokia Solutions and Networks Oy

By: 

Name: Leena Hyvärinen
Authorized Signatory

Title: Espoo, Finland

Date: 05. 03. 2019

ASSIGNEE

Nokia Technologies Oy

By: 

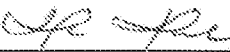
Name: ARI KÄRNÄ

Title: Senior Manager
Espoo, Finland

Date: 05. 03. 2019

ASSIGNEE

Nokia Technologies Oy

By: 

Name: Harri Honkasalo
Authorized Signatory

Title: Espoo, Finland

Date: 05. 03. 2019



