

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6185746

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NOKIA TECHNOLOGIES OY	06/30/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF

**PROPERTY NUMBERS Total: 53**

Property Type	Number
Application Number:	10577639
Application Number:	11077315
Application Number:	11024402
Application Number:	13643877
Application Number:	60976225
Patent Number:	7652980
Patent Number:	8130631
Patent Number:	8045628
Patent Number:	8675752
Patent Number:	7903574
Patent Number:	8498220
Patent Number:	8209586
Patent Number:	7974254
Patent Number:	8792596
Patent Number:	9277485
Patent Number:	7426393
Patent Number:	8640173
Patent Number:	8520703
Patent Number:	8782732
Patent Number:	8607271
Patent Number:	6907028

PATENT

Property Type	Number
Patent Number:	9485044
Patent Number:	8145120
Patent Number:	8111694
Patent Number:	7231404
Patent Number:	7853620
Patent Number:	7787548
Patent Number:	7796706
Patent Number:	8054910
Patent Number:	8763036
Patent Number:	8261308
Patent Number:	8670372
Patent Number:	8204019
Patent Number:	8213383
Patent Number:	8208437
Patent Number:	8181095
Patent Number:	9172503
Patent Number:	8248910
Patent Number:	8711801
Patent Number:	8009685
Patent Number:	8989260
Patent Number:	9661378
Patent Number:	8243659
Patent Number:	8935420
Patent Number:	8599884
Patent Number:	8498262
Patent Number:	9326221
Patent Number:	9584238
Patent Number:	7286536
Patent Number:	8811309
Patent Number:	8411737
Patent Number:	8774225
Patent Number:	8744010

**CORRESPONDENCE DATA**

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Email: usdocketing@jeffersonip.com

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**Address Line 1:** 1130 CONNECTICUT AVE., NW, SUITE 420  
**Address Line 4:** WASHINGTON, D.C. 20036

<b>ATTORNEY DOCKET NUMBER:</b>	0201-2398
<b>NAME OF SUBMITTER:</b>	MAENG-HO SHIN
<b>SIGNATURE:</b>	/Maeng-Ho SHIN/
<b>DATE SIGNED:</b>	07/06/2020

**Total Attachments: 27**

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# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Nokia Technologies Oy

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Samsung Electronics Co., Ltd.

Internal Address: \_\_\_\_\_

Street Address: 129, Samsung-ro, Yeongtong-gu

City: Suwon-si, Gyeonggi-do

State: \_\_\_\_\_

Country: Republic of Korea Zip: \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) June 30, 2020

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

1) 10/577,639, 2) 11/077,315, 3) 11/024,402, 4) 13/643,877, and 5) 60/976,225

B. Patent No.(s)

Please see page 2.

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Jefferson IP Law, LLP

Internal Address: Maeng-Ho SHIN

Street Address: 1130 Connecticut Ave., NW, Suite 420

City: Washington

State: DC Zip: 20036

Phone Number: 202-293-0804

Fax Number: 202-403-3587

Email Address: usdocketing@jeffersonip.com

**6. Total number of applications and patents involved: 53**

- 7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_**
- Authorized to be charged by credit card
  - Authorized to be charged to deposit account
  - Enclosed
  - None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

\_\_\_\_\_/Maeng-Ho SHIN/ Reg. #53,859 \_\_\_\_\_ July 6, 2020  
Signature Date

Maeng-Ho Shin  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 27

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 053130 FRAME: 0766**

Additional application or patent number(s):

Patent Nos.:

6,907,028	8,054,910	8,411,737	8,774,225
7,231,404	8,111,694	8,498,220	8,782,732
7,286,536	8,130,631	8,498,262	8,792,596
7,426,393	8,145,120	8,520,703	8,811,309
7,652,980	8,181,095	8,599,884	8,935,420
7,787,548	8,204,019	8,607,271	8,989,260
7,796,706	8,208,437	8,640,173	9,172,503
7,853,620	8,209,586	8,670,372	9,277,485
7,903,574	8,213,383	8,675,752	9,326,221
7,974,254	8,243,659	8,711,801	9,485,044
8,009,685	8,248,910	8,744,010	9,584,238
8,045,628	8,261,308	8,763,036	9,661,378

## Patent Assignment

This assignment of patent rights ("Assignment") shall be effective as of June 30th, 2020 (the "Effective Date").

For good and valuable consideration in the sum of one Dollar (\$1.00), the receipt of which is hereby acknowledged, Nokia Technologies Oy, corporation organized under the laws of Finland, having registered offices at Karakaari 7, 02610 Espoo, Finland ("Assignor") does hereby sell, assign, transfer, and convey unto and Samsung Electronics Co., Ltd., a corporation organized under the laws of Korea, having its registered office at 129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677, Korea (the "Assignee"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

(a) all patents and patent applications listed in the table below in Schedule 1 (each a "Listed Patent", collectively the "Listed Patents");

(b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of such Listed Patents (whether pending, issued, abandoned or filed prior to, on or after the Effective Date);

(c) all patents and patent applications (i) to which any Listed Patent directly or indirectly claims priority to, or the benefit of, the filing date, and/or (ii) for which any Listed Patent directly or indirectly forms a basis for priority or otherwise provides the benefit of an earlier filing date; and

(d) all foreign counterparts to any or all of the foregoing;

(d) inventions, invention disclosures, and discoveries claimed in any of the Listed Patents and/or any item in the foregoing categories (b) through (c); and

(e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

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

At the request of Assignee, and without further consideration, Assignor will execute or have executed and deliver such other instruments of sale, transfer, assignment, and other confirmation and take such other action that are necessary in order to sell, transfer, and assign effectively to Assignee the Patent Rights and to allow Assignee to perfect and record those sales, transfers, and assignments.

The Patent Rights are assigned subject to existing encumbrances.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed by its duly authorized representatives as of the Effective Date.

**ASSIGNOR:**

**Nokia Technologies Oy**

By: [Signature]  
Name: Jan Sandström  
          Authorized Signatory  
Title: \_\_\_\_\_

By: [Signature]  
Name: Jeroine Vaquer  
          Authorized signatory  
Title: \_\_\_\_\_

**ASSIGNEE:**

**Samsung Electronics Co., Ltd.**

By: [Signature]  
Name: Hesin Chang  
Title: Vice President

This is to certify that Jan Sandström and Jeroine Vaquer  
is / are legally authorized to sign on behalf of Vaquer  
Nokia Technologies Oy  
and she/he is/they have signed this document.  
Helsinki 30-06-2020 Ex officio:



[Signature]  
Otto Salmeneja  
ylitarkastaja, julkinen notaari  
överinspektör, notarius publicus  
Senior officer, Notary Public

Schedule 1: Listed Patents

Family Code	Patent Country Code	Application Number	Patent Number	Priority Date
NC62465	CN	200880118823.7	200880118823.7	2.11.2007
NC62465	TW	97142386	1467974	2.11.2007
NC62465	US	11/934462	7652980	2.11.2007
NC62465	US	12/637271	8130931	2.11.2007
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NC45233	GB	05780650.7	1790097	15.9.2004
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NC62394	GB	08807237.6	2210359	22.10.2007
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NC62394	WO	PCT/IB2008/002817	WO2009/053816	22.10.2007
NC28798	CN	200480013947.0	200480013947.0	25.3.2003
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NC41522	US	11/470504	8640173	7.9.2005
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NC28858	WO	PCT/IB2004/050638	WO2004/102964	13.5.2003
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NC45615	VN	1-2008-00619		26.8.2005
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NC28704	CN	200380108784.X		18.12.2002
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35