

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6752446

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HYEJUNG JUNG	08/09/2019
ALEXANDER JOHANN MARIA GOLITSCHKEK EDLER VON ELBWART	08/07/2019
VIJAY NANGIA	08/08/2019
PRATEEK BASU MALLICK	08/07/2019
JOACHIM LOEHR	08/07/2019
RAVI KUCHIBHOTLA	08/18/2019
ROBERT T. LOVE	08/08/2019
RECEIVING PARTY DATA	
Name:	LENOVO (SINGAPORE) PTE. LTD.
Street Address:	151 LORONG CHUAN
Internal Address:	# 02-01
City:	NEW TECH PARK
State/Country:	SINGAPORE
Postal Code:	556741
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17206014
CORRESPONDENCE DATA	
Fax Number:	(801)531-1929
<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>	
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ATTORNEY DOCKET NUMBER:	SMM920180076-US-CNT
NAME OF SUBMITTER:	SARA MATLOCK
SIGNATURE:	/Sara Matlock/

DATE SIGNED:	06/09/2021
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Total Attachments: 8

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- source=Assignment_SMM920180076-US-CNT#page7.tif
- source=Assignment_SMM920180076-US-CNT#page8.tif

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Hyejung Jung, Northbrook, Illinois; Alexander Johann Maria Golitschek Edler von Elbwart, Darmstadt, Germany; Vijay Nangia, Woodridge, Illinois; Prateek Basu Mallick, Dreieich, Germany; Joachim Loehr, Wiesbaden, Germany; Ravi Kuchibhotla, Clarendon Hills, Illinois; and Robert T. Love, Barrington, Illinois;** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **Lenovo (Singapore) Pte. Ltd.**, a corporation of Singapore, having a place of business at 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions entitled **"IDENTIFYING SYNCHRONIZATION SIGNAL/PHYSICAL BROADCAST CHANNEL BLOCK OCCASIONS"** as described, illustrated in **SMM920180076-US-NP** and as described, illustrated and claimed in the following applications:

U.S. Application filed herein and entitled: **"IDENTIFYING SYNCHRONIZATION SIGNAL/PHYSICAL BROADCAST CHANNEL BLOCK OCCASIONS"**

U.S. Application No. **62/717,733**, filed on **August 10, 2018** entitled **"APPARATUSES, METHODS, AND SYSTEMS FOR ACCESSING A NETWORK IN AN UNLICENSED SPECTRUM"**

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and I further authorize Assignee to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority

thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

(1) Legal Name of Inventor: **Hyejung Jung**

Signature:  Date: Aug. 9, 2019

(2) Legal Name of Inventor: **Alexander Johann Maria Golitschek Edler von Elbwart**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Vijay Nangia**

Signature: _____ Date: _____

SMM920180076-US-NP

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I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

(1) Legal Name of Inventor: **Hyejung Jung**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Alexander Johann Maria Golitschek Edler von Elbwart**

Signature: *Alexander Golitschek Edler von Elbwart* Date: 7 Aug 2019

(3) Legal Name of Inventor: **Vijay Nangia**

Signature: _____ Date: _____

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I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

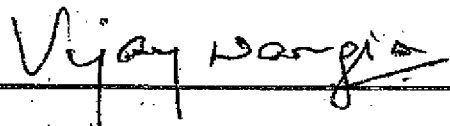
(1) Legal Name of Inventor: **Hyejung Jung**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Alexander Johann Maria Golitschek Edler von Elbwart**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Vijay Nangia**

Signature:  Date: August 8, 2019

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(4) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: Prateek Date: Aug 07, 2019

(5) Legal Name of Inventor: **Joachim Loehr**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **Robert T. Love**

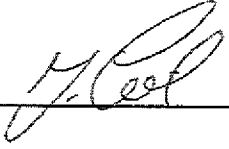
Signature: _____ Date: _____

SMM920180076-US-NP

(4) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Joachim Loehr**

Signature:  _____ Date: Aug 7th, 2019

(6) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **Robert T. Love**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Joachim Loehr**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature:  _____ Date: August 18 2019

(7) Legal Name of Inventor: **Robert T. Love**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Joachim Loehr**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **Robert T. Love**

Signature: Robert T. Love Date: 8/8/2019