PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6752346

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRATEEK BASU MALLICK	09/27/2018
ALEXANDER JOHANN MARIA GOLITSCHEK EDLER VON ELBWART	09/26/2018
JOACHIM LOEHR	09/28/2018
HYEJUNG JUNG	09/26/2018
RAVI KUCHIBHOTLA	09/26/2018
VIJAY NANGIA	09/26/2018

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:	17206003

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	SMM920180002-US-CNT
NAME OF SUBMITTER:	SARA MATLOCK
SIGNATURE:	/Sara Matlock/
DATE SIGNED:	06/09/2021

Total Attachments: 6

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DOCKET NUMBER: **SMM920180002-US-NP**

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Prateek Basu Mallick, Langen, Germany; Alexander Johann Maria Golitschek Edler von Elbwart, Darmstadt, Germany; Joachim Loehr, Wiesbaden, Germany; Hyejung Jung, Palatine, Illinois; Ravi Kuchibhotla, Clarendon Hills, Illinois;** and **Vijay Nangia, Woodridge, 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 "**TRANSMITTING A PHYSICAL DOWNLINK SHARED CHANNEL AFTER LOSING UPLINK SYNCHRONIZATION**" as described, illustrated in **SMM920180002-US-NP** and as described, illustrated and claimed in the following applications:

> U.S. Application filed herein and entitled: "**TRANSMITTING A PHYSICAL DOWNLINK SHARED CHANNEL AFTER LOSING UPLINK SYNCHRONIZATION**"

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: **Prateek Basu Mallick**

Signature: Prateek Date: Sept. 27, 2018

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

Signature:__________ Date:__________

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

Signature:__________ Date: Sept 27 2018

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: **Prateek Basu Mallick**

Signature:____________________ Date:________

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

Signature:____________________ Date: 26 Sept 2018

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

Signature:____________________ Date:________

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

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

Signature:____________________ Date: 9/26/2018

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

Signature:____________________ Date:__________

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

Signature:____________________ Date:__________

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

Signature:____________________ Date:__________

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

Signature:____________________ Date: September 26, 2018

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

Signature:____________________ Date:__________

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

Signature:________________________________ Date:____________

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

Signature:________________________________ Date:____________

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

Signature: Vijay Nangia Date: 09/26/2018