

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HSIN-HSI TSAI	08/28/2018
YU-HSUAN GUO	08/28/2018
MENG-HUI OU	08/28/2018
RECEIVING PARTY DATA	
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State/Country:	TAIWAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16131598
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ATTORNEY DOCKET NUMBER:	1426-244.101
NAME OF SUBMITTER:	SANG N. DANG
SIGNATURE:	/Sang N. Dang/
DATE SIGNED:	09/14/2018
Total Attachments: 2	
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ASSIGNMENT

For valuable consideration, We, **Tsai, Hsin-Hsi** of Taipei, Taiwan and a citizen of Taiwan; **Guo, Yu-Hsuan** of Taipei, Taiwan and a citizen of Taiwan; **Ou, Meng-Hui** of Taipei, Taiwan and a citizen of Taiwan(hereinafter referred to as "Assignors") hereby assign to **ASUSTek Computer Inc.**, a corporation organized and existing under and by the virtue of the laws of Taiwan and having a place of business at No.15, Lite Rd., Peitou Dist., Taipei City 112, Taiwan (R.O.C.), and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent filed herewith entitled **METHOD AND APPARATUS OF BEAM DETERMINATION IN A WIRELESS COMMUNICATION SYSTEM** (Atty. Docket No. 1060251-US/ 1426-244.101) (the "Application"), and related applications and patents. In addition to this Application, this assignment includes any and all United States and foreign patents granted for any of said inventions or improvements, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of this Application and based on the filing date of any provisional application of which this Application claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes.

I also authorize the Assignee to apply in all countries in my name or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements.

I agree for myself and my heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to me, to testify in any interference or litigation related to said invention or application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

I hereby grant Assignee and its authorized representatives power of attorney, with full power of power of substitution in my name and stead, to act for and on my behalf to take any and all steps, including proceedings at law, in equity or otherwise, to execute, acknowledge, verify, file and deliver any and all instruments and assurances and to perform all other lawfully

permitted acts necessary or expedient in order to vest or perfect the aforesaid rights and causes of action more effectively in Assignee or to protect the same or to enforce any claim or right of any kind with respect thereto with the same legal force and effect as if executed by me. I hereby declare that the foregoing power is coupled with an interest and as such is irrevocable.

I hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment. To the extent that any previous assignments and/or conveyances to Assignee concerning any related prior-filed applications including (U.S. Provisional Patent Application Serial No. 62/560,949, filed on September 20, 2017, entitled "**METHOD AND APPARATUS OF BEAM DETERMINATION IN A WIRELESS COMMUNICATION SYSTEM**") to which this Application claims priority or benefit thereto, I hereby affirm any such assignments and conveyance in this Assignment.

I also hereby grant Sang N. Dang and his authorized agents the power to insert on this assignment any further information and/or identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

Name: Tsai, Hsin-Hsi

Signature: Tsai, Hsin-Hsi

Date: 2018.8.28

Name: Guo, Yu-Hsuan

Signature: Guo, Yu-Hsuan

Date: 2018.8.28

Name: Ou, Meng-Hui

Signature: Ou, Meng-Hui

Date: 2018.8.28