

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HAIPENG LEI | 11/18/2020 |
| XIAODONG YU | 11/18/2020 |
| ZHI YAN | 11/18/2020 |
| LIANHAI WU | 11/18/2020 |
| RAVI KUCHIBHOTLA | 11/24/2020 |
| RECEIVING PARTY DATA | |
| Name: | LENOVO (BEIJING) LIMITED |
| Street Address: | 6 SHANGDI WEST ROAD |
| Internal Address: | HAIDIAN DISTRICT |
| City: | BEIJING |
| State/Country: | CHINA |
| Postal Code: | 100085 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16640016 |
| CORRESPONDENCE DATA | |
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| Correspondent Name: | KUNZLER BEAN & ADAMSON |
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| ATTORNEY DOCKET NUMBER: | SEC920170086-US-PCT |
| NAME OF SUBMITTER: | BRIAN C. KUNZLER |
| SIGNATURE: | /Brian C. Kunzler/ |
| DATE SIGNED: | 11/24/2020 |
| Total Attachments: 4 | |

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Haipeng Lei, Xiaodong Yu, Zhi Yan, Lianhai Wu, Robert Tristan Love, and Ravi Kuchibhotla (hereinafter referred to as Assignors); who have a mailing address at c/o Lenovo Group Limited, 1009 Think Place, Morrisville, NC, 27560 USA;

WHEREAS, Assignors have invented certain new and useful improvements in HARQ PROCESS AGGREGATION OF MULTIPLE SCHEULED SLOTS set forth in a patent application for Letters Patent in a national patent office or international receiving office, for which an application for patent has been concurrently filed herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

US Application

Filing Date:

No.:

16/640,016

2020-02-18

WHEREAS, Lenovo (Beijing) Limited (hereinafter referred to as Assignee), a Corporation organized under and pursuant to the laws of Singapore having its principal place of business at 6 Shangdi West Road, Haidian District, Beijing, CN 100085 is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, People's Republic of China and all foreign countries, and in and to any Letters Patent of the United States, People's Republic of China and all foreign countries to be obtained therefore and thereon.

NOW, THEREFORE, to all whom it may concern, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and applications for Letters Patent, and in and to any and all direct and indirect provisionals, national stage applications, divisions, continuations, continuations-in-part, substitutions, re-exams, and reissues of said application, and any and all Letters Patent in the United States, People's Republic of China and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent; the right to apply for Letters Patent directly in its own name where applicable; the right 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; and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

I hereby grant Assignee(s), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office, the People's Republic of China National

Intellectual Property Administration and/or any other receiving entity for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.

Date: 2020.11.18 Signature: Haipeng Lei
Haipeng Lei

Date: 2020.11.18 Signature: Xiaodong Yu
Xiaodong Yu

Date: 2020.11.18 Signature: Zhi YAN
Zhi Yan

Date: 2020.11.18 Signature: Lianhai Wu
Lianhai Wu

Date: 24 Nov 2020 Signature: Robert T Love
Robert Tristan Love

Date: _____ Signature: _____
Ravi Kuchibhotla

Date: _____ Signature: _____
Lenovo (Singapore) PTE. LTD.
Name: Carole Boelitz
Title: Executive Director

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Date: _____ Signature: _____
Haipeng Lei

Date: _____ Signature: _____
Xiaodong Yu

Date: _____ Signature: _____
Zhi Yan

Date: _____ Signature: _____
Lianhai Wu

Date: _____ Signature: _____
Robert Tristan Love

Date: Nov. 24, 2020 Signature: 
Ravi Kuchibhotla

Date: _____ Signature: _____
Lenovo (Singapore) PTE. LTD.
Name: Carole Boelitz
Title: Executive Director

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