

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6155634

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
LENOVO ENTERPRISE SOLUTIONS (SINGAPORE) PTE LTD		10/01/2019
RECEIVING PARTY DATA		
Name:	LENOVO GLOBAL TECHNOLOGIES INTERNATIONAL LTD	
Street Address:	23/F, LINCOLN HOUSE, 979 KING'S ROAD	
City:	QUARRY BAY	
State/Country:	HONG KONG	
PROPERTY NUMBERS Total: 22		
Property Type	Number	
Patent Number:	10394293	
Patent Number:	10402763	
Patent Number:	10419267	
Patent Number:	10417436	
Patent Number:	10387330	
Patent Number:	10335925	
Patent Number:	10353602	
Patent Number:	10372779	
Patent Number:	10341446	
Patent Number:	10394681	
Patent Number:	10374942	
Patent Number:	10418808	
Patent Number:	10394492	
Patent Number:	10394571	
Patent Number:	10386425	
Patent Number:	10349559	
Patent Number:	10419433	
Patent Number:	10417433	
Patent Number:	10372436	
Patent Number:	10345875	
Patent Number:	10362715	

PATENT

Property Type	Number
Patent Number:	10346178

CORRESPONDENCE DATA

Fax Number:
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.

Phone: 9192942747
Email: jfriday@lenovo.com
Correspondent Name: JASON A FRIDAY
Address Line 1: 8001 DEVELOPMENT DRIVE
Address Line 2: LEGAL DEPARTMENT, PATENTS
Address Line 4: MORRISVILLE, NORTH CAROLINA 27560

NAME OF SUBMITTER:	JASON A. FRIDAY
SIGNATURE:	/Jason A. Friday 62650/
DATE SIGNED:	06/16/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4
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ASSIGNMENT OF PATENT RIGHTS

WHEREAS, Lenovo Enterprise Solutions (Singapore) Pte Ltd. a limited liability company organized under the laws of the Republic of Singapore, with its principal place of business at 151 Lorong Chuan, #02-01 New Tech Park, Singapore, 55674 (ASSIGNOR) is the owner of certain rights, title and interest in and to the patents, patent applications and invention disclosures set forth in *Exhibit A* hereto;

WHEREAS, it is the intention of ASSIGNOR and Lenovo Global Technologies International Ltd, a limited liability company organized under the laws of Hong Kong having its principal place of business at 23/F, Lincoln House, 979 King's Road, Quarry Bay, Hong Kong (hereinafter ASSIGNEE), that ASSIGNEE own all of ASSIGNOR'S right, title and interest in and to the patents, patent applications and invention disclosures; and

WHEREAS, ASSIGNOR and ASSIGNEE entered into a Periodic Intellectual Property Sale and Transfer Agreement effective January 1, 2017 (collectively the "AGREEMENTS") in which ASSIGNOR assigned intellectual property rights to ASSIGNEE and agreed to periodically assign additional intellectual property rights to ASSIGNEE.

NOW, THEREFORE, in consideration of the mutual promises contained in the AGREEMENTS and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, pursuant to this Assignment of Patent Rights, and subject to the AGREEMENTS, ASSIGNOR hereby sells, assigns, transfers, and conveys to ASSIGNEE, its permitted successors and assigns, all of ASSIGNOR'S right, title, and interest in and to the patents, patent applications, and invention disclosures being made for Letters Patent set forth on *Exhibit A*, and (a) all foreign and U.S. counterpart patents and patent applications claiming priority from the patents and the applications Letters Patents listed in *Exhibit A*, and (b) all continuations, continuations-in-part, divisionals, reissues, renewals, reexaminations, substitutions, and extensions thereof (including equivalents to any of the foregoing in non-U.S. jurisdictions) that may be granted or issue from and claim priority to the foregoing (hereinafter collectively referred to as the "Sold Patents"), and including the right to own and prosecute in ASSIGNEE's own name any reexaminations, reissues, interferences, and all claims and causes of action now in existence or arising in the future resulting from past, present, and future infringement of any of the Sold Patents, including, without limitation, the right to sue and recover for past, present, and future infringement of any of the Sold Patents. ASSIGNOR authorizes and requests the Director of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patents to ASSIGNEE, as ASSIGNEE of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct.

IN TESTIMONY WHEREOF, ASSIGNOR and ASSIGNEE have hereunto executed this Assignment effective October 1, 2019, by their duly authorized representatives.

Lenovo Enterprise Solutions (Singapore) Pte Ltd.

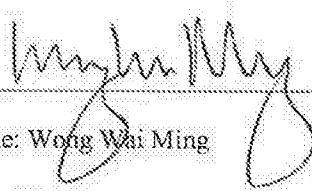
By:  _____

Name: Hugh Wu

Title: Director

Place: Beijing

Lenovo Global Technologies International Ltd.

By:  _____

Name: Wong Wai Ming

Title: Director

Place: Raleigh

EXHIBIT A

Case Reference	Country	Grant	Grant Number	Internal Title
XTW92012002 2-US-NP	United States	8/27/2019	10,394,293	PREVENTING OVER-HEATING OF A DEVICE WITHIN A DATA PROCESSING SYSTEM
XTW92014002 9-US-NP	United States	9/3/2019	10,402,763	TOTAL MANUFACTURING PLANNING MANAGEMENT CONTROL SYSTEM
XROC9201301 93-US-NP	United States	9/17/2019	10,419,267	NETWORK CONTROL SOFTWARE NOTIFICATION WITH ADVANCE LEARNING
XCN92015000 6-US-NP	United States	9/17/2019	10,417,436	TPM 2.0 PLATFORM HIERARCHY AUTHENTICATION AFTER UEFI POST
XRPS9201801 59-US-NP	United States	8/20/2019	10,387,330	LESS RECENTLY and FREQUENTLY USED (lrafi) CACHE REPLACEMENT POLICY
XRPS9201600 76-US-NP	United States	7/16/2019	10,355,925	AUTONOMOUS GENERATION AND TRANSMISSION OF REPORTABLE EVENTS BY FABRIC-ATTACHABLE STORAGE DRIVE
XRPS9201600 75-US-NP	United States	7/16/2019	10,353,602	SELECTION OF FABRIC-ATTACHED STORAGE DRIVES ON WHICH TO PROVISION DRIVE VOLUMES FOR REALIZING LOGICAL VOLUME ON CLIENT COMPUTING DEVICE WITHIN STORAGE AREA NETWORK
XRPS9201200 66-US-NP	United States	8/6/2019	10,372,779	FREQUENT CONTENT CONTINUITY VISUAL ASSISTANCE IN CONTENT BROWSING
XRPS9201600 47-US-NP	United States	7/2/2019	10,341,446	SUSPENSION OF LOG MESSAGE TRANSMISSION FROM HOST DEVICE TO TERMINAL DEVICE
XRPS9201600 45-US-NP	United States	8/27/2019	10,394,681	PROFILING OPERATING EFFICIENCY DEVIATIONS OF A COMPUTING SYSTEM
XRPS9201701 27-US-NP	United States	8/6/2019	10,374,942	LINK AGGREGATION GROUP MANAGEMENT

XRPS9201601 21-US-NP	United States	9/17/2019	10,418,808	DETECTING ELECTROSTATIC DISCHARGE EVENTS IN A COMPUTER SYSTEM
XRPS9201601 03-US-NP	United States	8/27/2019	10,394,492	SECURING A MEDIA STORAGE DEVICE USING WRITE RESTRICTION MECHANISMS
XRPS9201600 96-US-NP	United States	8/27/2019	10,394,571	PASSING DATA FROM A HOST-BASED UTILITY TO A SERVICE PROCESSOR
XRPS9201400 16-US-NP	United States	8/20/2019	10,386,425	METHOD AND SYSTEM FOR MANAGING POWER FAULTS
XRPS9201600 30-US-NP	United States	7/9/2019	10,349,559	COOLING FAN ASSEMBLY AND GUIDANCE TRACK FOR INSTALLING AND REMOVING A COOLING FAN
XRPS9201600 40-US-NP	United States	9/17/2019	10,419,433	NETWORK CREDENTIALS FOR WIRELESSLY ACCESSING A LAN VIA AN ALTERNATE COMMUNICATIONS NETWORK
XRPS9201600 36-US-NP	United States	9/17/2019	10,417,433	ENCRYPTION AND DECRYPTION OF DATA OWNED BY A GUEST OPERATING SYSTEM
XRPS9201701 30-US-NP	United States	8/6/2019	10,372,436	SYSTEMS AND METHODS FOR MAINTAINING OPERATING CONSISTENCY FOR MULTIPLE USERS DURING FIRMWARE UPDATES
XRPS9201501 90-US-NP	United States	7/9/2019	10,345,875	HYBRID PASSIVE AND ACTIVE COOLING ASSEMBLY
XRPS9201501 50-US-NP	United States	7/23/2019	10,362,715	AUTOMATICALLY COOLING COMPUTER SYSTEM COMPONENTS FOR SAFE SERVICING
XRPS9201501 13-US-NP	United States	7/9/2019	10,346,178	SECURE NETWORK SERVER BOOT WITHOUT THE USE OF DHCP AND PXE
XTW92014002 6-CN-NP	China	9/13/2019	106557127	LOCKING COMPONENT, LOCKING DEVICE AND HOST Invention Disclosure No. TW820140020
XTUC9201300 03-CN-PCT	China	9/13/2019	105210004	EXTERNALLY SERVICEABLE IT MEMORY DIMMS FOR SERVER/TOWER

				ENCLOSURES
XCN92015000 1-CN-NP	China	7/26/2019	106330779	A mecthod to plug vswitch into physical switch
XRPS9201500 84-CN-NP	China	8/6/2019	106250075	GPGPU video versus computational application alignment Invention Disclosure No. rps820140203
XRPS9201500 66-CN-NP	China	8/23/2019	106293691	Method to automatically discover and install required Secure Boot certificates Invention Disclosure No. RPS820140185
XRPS9201400 41-CN-NP	China	8/2/2019	106557683	UNLOCKING TOUCH SCREEN DEVICES