

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5707398

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LENOVO ENTERPRISE SOLUTIONS (SINGAPORE) PTE LTD.	04/01/2018

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: 32

Property Type	Number
Patent Number:	9910593
Patent Number:	9894773
Patent Number:	9876437
Patent Number:	9893485
Patent Number:	9882787
Patent Number:	9910718
Patent Number:	9875951
Patent Number:	9917033
Patent Number:	9880607
Patent Number:	9904610
Patent Number:	9917975
Patent Number:	9881269
Patent Number:	9923896
Patent Number:	9857398
Patent Number:	9876586
Patent Number:	9873132
Patent Number:	9888560
Patent Number:	9929780
Patent Number:	9916476
Patent Number:	9894259
Patent Number:	9877416

PATENT

Property Type	Number
Patent Number:	9916217
Patent Number:	9910679
Patent Number:	9871925
Patent Number:	9870158
Patent Number:	9928154
Patent Number:	9917764
Patent Number:	9886209
Patent Number:	9915989
Patent Number:	9872223
Patent Number:	9880198
Patent Number:	9873530

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.

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Correspondent Name: BECKY A. WILLIAMS

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Address Line 4: CHICAGO, ILLINOIS 60654

NAME OF SUBMITTER: BECKY A. WILLIAMS

SIGNATURE: /baw/

DATE SIGNED: 09/09/2019

Total Attachments: 5

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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 April 1, 2018, by their duly authorized representatives.

Lenovo Enterprise Solutions (Singapore) Pte Ltd.

Lenovo Global Technologies International Ltd.

By: 

By: 

Name: Hugh Wu
Title: Director
Place: Beijing
Date: 16 May 2018

Name: Wong Wai Ming
Title: Director
Place: Beijing
Date: 3 May 2018

EXHIBIT A

Case Reference	Country	Grant	Grant Number	Internal Title
XAUS92013 0086-US- CNT[2]	UNITED STATES	06 Mar 2018	US9910593	CONFIGURABLE STORAGE DEVICE AND ADAPTIVE STORAGE DEVICE ARRAY
XAUS92013 0323-US-NP	UNITED STATES	13 Feb 2018	US9894773	ADDING TEST ACCESS TO BACK- DRILLED VIA
XAUS92014 0226-US-NP	UNITED STATES	23 Jan 2018	9876437	INTERLEAVED TRANSFORMER/INDUCTOR Invention disclosure No. AUS820130606
XCN920150 005-US-NP	UNITED STATES	13 Feb 2018	9893485	DATA TRANSFER CONNECTOR, SYSTEM AND METHOD
XROC92013 0067-US-NP	UNITED STATES	30 Jan 2018	US9882787	SERVICE MANAGEMENT IN APPLIANCE-BASED SOLUTIONS
XROC92013 0101-US-NP	UNITED STATES	06 Mar 2018	US9910718	SELECTIVE LOCKING OF OPERATIONS ON JOINT AND DISJOINT SETS
XRPS920110 082-US-NP	UNITED STATES	23 Jan 2018	9875951	HEAT SINK WITH ORIENTABLE FINS
XRPS920120 024-US-NP	UNITED STATES	13 Mar 2018	US9917033	MULTICOMPONENT HEAT SINK WITH MOVABLE FIN SUPPORT PORTION
XRPS920120 039-US-CNT	UNITED STATES	30 Jan 2018	US9880607	DYNAMICALLY OPTIMIZING BUS FREQUENCY OF AN INTER- INTEGRATED CIRCUIT (I ² C) BUS
XRPS920130 005-US-NP	UNITED STATES	27 Feb 2018	9904610	CONFIGURATION OF SERVERS FOR BACKUP
XRPS920130 011-US-NP	UNITED STATES	13 Mar 2018	US9917975	FACSIMILE REQUIREMENTS MONITORING
XRPS920130 140-US-NP	UNITED STATES	30 Jan 2018	US9881269	COLLABORATIVE INFRASTRUCTURE UPDATE SCHEDULING
XRPS920140 054-US-NP	UNITED STATES	20 Mar 2018	US9923896	PROVIDING ACCESS TO A RESTRICTED RESOURCE VIA A PERSISTENT AUTHENTICATED DEVICE NETWORK

				Invention Disclosure No. RPS820130436
XRPS920150 025-US-NP	UNITED STATES	02 Jan 2018	US9857398	Inter-circuit board connector with current sensor Invention disclosure No. SJO820140071
XRPS920150 037-US-NP	UNITED STATES	23 Jan 2018	US9876586	EMI noise reduction within an enclosure Invention Disclosure No. SJO820140051
XRPS920150 059-US-NP	UNITED STATES	23 Jan 2018	US9873132	DIGITAL PROCESSING EQUIPMENT Invention Disclosure No. ROC820140116
XRPS920150 079-US-NP	UNITED STATES	06 Feb 2018	US9888560	DIFFERENTIAL TRANSMISSION LINE HAVING QUARTER WAVELENGTH DIFFERENTIAL COUPLER TO REDUCE COMMON MODE NOISE
XRPS920150 099-US-NP	UNITED STATES	27 Mar 2018	US9929780	Capturing Physical Inventory In A Data Center
XRPS920150 103-US-NP	UNITED STATES	13 Mar 2018	US9916476	MAINTAINING CRYPTOPROCESSOR TYPES IN A MULTINODE ENVIRONMENT
XRPS920150 109-US-NP	UNITED STATES	13 Feb 2018	9894259	MOVABLE IMAGE CAPTURE DEVICES AND METHODS FOR CAPTURE OF IMAGES FROM BEHIND A DISPLAY SCREEN
XRPS920150 118-US-NP	UNITED STATES	23 Jan 2018	US9877416	HEAT MANAGEMENT IN A SERVER RACK
XRPS920150 119-US-NP	UNITED STATES	13 Mar 2018	US9916217	ACCESSING HIDDEN DIAGNOSTIC REGISTERS
XRPS920150 126-US-NP	UNITED STATES	06 Mar 2018	9910679	SELECTIVE LOADING OF COMPONENTS WITHIN A NODE TO SPEED UP MAINTENANCE ACTIONS
XRPS920150 145-US-NP	UNITED STATES	16 Jan 2018	9871925	MANAGING A MULTI-USER COMMUNICATION BASED ON THE TOPICAL EXPERTISE OF ONE OR MORE USERS
XRPS920150 147-US-NP	UNITED STATES	16 Jan 2018	US9870158	Rack Mountable Computer System That Includes Microarray Storage Systems

XRPS920150 171-US-NP	UNITED STATES	27 Mar 2018	US9928154	LEVELING STRESS FACTORS AMONG LIKE COMPONENTS IN A SERVER
XRPS920150 178-US-NP	UNITED STATES	13 Mar 2018	US9917764	SELECTIVE NETWORK ADDRESS STORAGE WITHIN NETWORK DEVICE FORWARDING TABLE
XRPS920150 180-US-NP	UNITED STATES	06 Feb 2018	9886209	CONTROLLING FILE PLACEMENT ON A DISK DRIVE TO IMPROVE FILE ACCESS
XRPS920150 187-US-NP	UNITED STATES	13 Mar 2018	US9915989	ENERGY EFFICIENT WORKLOAD PLACEMENT MANAGEMENT USING PREDETERMINED SERVER EFFICIENCY DATA
XRPS920160 058-US-NP	UNITED STATES	16 Jan 2018	US9872223	AUTONOMOUSLY IDENTIFYING AN ALTERNATE CONTACT DEVICE
XSJO920130 006-US-NP	UNITED STATES	30 Jan 2018	US9880198	HIGH BANDWIDTH SIGNAL PROBE TIP
XTUC92013 0043-US-NP	UNITED STATES	23 Jan 2018	US9873530	SECURING MODULES IN AN ELECTRONICS SYSTEM
XCN920120 030-CN-NP	China	26 Jan 2018	2012100819 97.9	METHOD AND SYSTEM OF UNATTENDED SERVER SYSTEM DEPLOYMENT INDEPENDENT OF PRE- INSTALLATION ENVIRONMENT AND FREE OF REMOVEABLE MEDIA FOR DEVICE DRIVER INJECTION
XCN920130 062-CN-NP	China	06 Mar 2018	ZL20131025 8094.8	NEW DESIGNS OF WAVE SOLDERING MACHINE
XEND92013 0201-CN-NP	China	23 Mar 2018	ZL20151007 97460	PHYSICAL PRESENCE OF A VIRTUAL BUTTON ON A TOUCH SCREEN OF AN ELECTRONIC DEVICE
XRPS920130 049-CN-NP	China	30 Jan 2018	ZL20141056 1921.5	Loading an operating system of a diskless compute node using a single virtual protocol interconnect (vpi) adapter
XSJO920110 040-CN-PCT	China	13 Mar 2018	ZL20138005 2769.1	CENTRALIZED CONTROL AND MANAGEMENT PLANES FOR DIFFERENT INDEPENDENT

				SWITCHING DOMAINS
XRPS920080 216-IN-PCT	India	28 Mar 2018	295235	MULTI-CAPACITY POWER SUPPLY FOR ELECTRONIC DEVICES
XRPS920140 022-TW-NP	Taiwan	11 Mar 2018	1617941	ADMINISTERING A REMOTE SESSION BETWEEN A TARGET COMPUTING DEVICE AND A REMOTE COMPUTING DEVICE Invention Disclosure No. RPS820130124
XRPS920140 069-TW-NP	Taiwan	01 Feb 2018	1613565	IC CHIP PACKAGE DISABLING DEVICE Invention Disclosure No. RPS820140043
XTW920120 033-TW-NP	Taiwan	11 Mar 2018	1617988	COMPUTER SYSTEM AND METHOD OF TASK SCHEDULING BASED ON THERMAL CONDITIONS OF LOCATIONS OF PROCESSORS