

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5705644

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LENOVO ENTERPRISE SOLUTIONS (SINGAPORE) PTE LTD.	07/01/2015

RECEIVING PARTY DATA

Name:	LENOVO INTERNATIONAL LIMITED
Street Address:	23/F, LINCOLN HOUSE, 979 KING'S ROAD
City:	QUARRY BAY
State/Country:	HONG KONG

PROPERTY NUMBERS Total: 43

Property Type	Number
Patent Number:	9003396
Patent Number:	9002010
Patent Number:	9015394
Patent Number:	9014005
Patent Number:	9014041
Patent Number:	9021317
Patent Number:	9021472
Patent Number:	9022434
Patent Number:	9027014
Patent Number:	9024787
Patent Number:	9026818
Patent Number:	9026685
Patent Number:	9032539
Patent Number:	9032146
Patent Number:	9032169
Patent Number:	9031732
Patent Number:	9038106
Patent Number:	9038179
Patent Number:	9037337
Patent Number:	9038053
Patent Number:	9036634

PATENT

Property Type	Number
Patent Number:	9036286
Patent Number:	9037794
Patent Number:	9043586
Patent Number:	9043776
Patent Number:	9040933
Patent Number:	9043777
Patent Number:	9048592
Patent Number:	9053315
Patent Number:	9054964
Patent Number:	9054840
Patent Number:	9054983
Patent Number:	9060308
Patent Number:	9058156
Patent Number:	9058400
Patent Number:	9060453
Patent Number:	9058496
Patent Number:	9063922
Patent Number:	9063733
Patent Number:	9063705
Patent Number:	9070344
Patent Number:	9070345
Patent Number:	9069951

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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NAME OF SUBMITTER:	BECKY A. WILLIAMS
SIGNATURE:	/baw/
DATE SIGNED:	09/06/2019

Total Attachments: 9
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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 International Limited, 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 October 1, 2014 (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 July 1, 2015, by their duly authorized representatives.

Lenovo Enterprise Solutions (Singapore) Pte Ltd.

By: 

Name: Damian Glendinning

Title: Director

Place: *Singapore*

Lenovo International Limited

By: 

Name: Wong Wat Ming

Title: Director

Place: *Beijing*

EXHIBIT A

Case reference	Country	Internal Title	Current Status	Grant Date	Patent Number
XTW920120006-TW-NP	TW	CABLE MANAGEMENT DEVICE	GRT	01 Apr 2015	I479760
XROC920080400-CN-PCT	CN	SYSTEM AND METHOD FOR RESPONDING TO ERROR DETECTION	GRT	01 Apr 2015	ZL201080041241.0
XRPS920060018-US-NP	US	FILE MANAGER INTEGRATION OF UNINSTALLATION FEATURE	GRT	07 Apr 2015	US9003396
XRPS920090030-US-NP	US	SECURE COMMUNICATION OF INFORMATION OVER A WIRELESS LINK	GRT	07 Apr 2015	US9002010
XCN920100020-CN-NP	CN	A NOVEL VISUALIZATION METHOD OF RACK POWER DENSITY AND SPACE UTILIZATION MANAGEMENT IN DATA CENTER	GRT	08 Apr 2015	ZL201010117761.7
XRPS920120059-US-NP	US	CHIP SELECT ('CS') MULTIPLICATION IN A SERIAL PERIPHERAL INTERFACE ('SPI') SYSTEM	GRT	21 Apr 2015	US9015394
XSJO920120040-US-NP	US	LOW-LATENCY LOSSLESS SWITCH FABRIC FOR USE IN A DATA CENTER	GRT	21 Apr 2015	US9014005

XRPS920060211- US-CNT[2]	US	METHOD AND SYSTEM FOR CONFIGURING A DEVICE THAT HAS FAILED TO OBTAIN NETWORK ADDRESS	GRT	21 Apr 2015	US9014041
XRPS920080251- US-NP	US	REPORTING AND PROCESSING COMPUTER OPERATION FAILURE ALERTS	GRT	28 Apr 2015	US9021317
XRPS920100125- US-NP	US	VIRTUALIZING BASEBOARD MANAGEMENT CONTROLLER OPERATION	GRT	28 Apr 2015	US9021472
XRPS920120025- US-NP	US	LATCH FOR SECURING A COMPUTE NODE IN A COMPONENT STORAGE RACK	GRT	05 May 2015	US9022434
XRPS920120126- US-NP	US	UPDATING FIRMWARE COMPATIBILITY DATA	ABD	05 May 2015	
XRPS920130081- US-NP	US	CONTROLLING VEHICULAR TRAFFIC ON A ONE-WAY ROADWAY	GRT	05 May 2015	US9024787
XAUS920090087 -US-CNT	US	PRIORITY-BASED POWER CAPPING IN DATA PROCESSING SYSTEMS	GRT	05 May 2015	US9026818

XRPS920130058- US-CNT	US	MEMORY MODULE COMMUNICATION CONTROL	GRT	05 May 2015	US9026685
XPOU920130078 -US-NP	US	AUTOMATIC RECOVERY OF LICENSE KEY INFORMATION	GRT	12 May 2015	US9032539
XRPS920100121- US-NP	US	DYNAMIC USE OF RAID LEVELS RESPONSIVE TO WORKLOAD REQUIREMENTS	GRT	12 May 2015	9032146
XTUC920120048 -US-NP	US	METHOD FOR HIGH PERFORMANCE DUMP DATA SET CREATION	GRT	12 May 2015	US9032169
XRPS920130110- US-CNT	US	SECONDARY SOURCES OF NAVIGATION DATA FOR IMPROVED CONTROL OF AN AUTOMONOUS VEHICLE	GRT	12 May 2015	9031732
XAUS920120287 -US-NP	US	DISPLAY TAG CLOUD VIEWER INTERACTIVE INTERFACE FOR ENABLING A VIEWER TO QUICKLY AND EFFECTIVELY ACCESS A DESIRED TELEVISION PROGRAM FOR VIEWING	GRT	19 May 2015	US9038106

XRPS920120040- US-NP	US	SECURE CODE VERIFICATION ENFORCEMENT IN A TRUSTED COMPUTING DEVICE	GRT	19 May 2015	US9038179
XRPS920130110- US-NP	US	SECONDARY SOURCES OF NAVIGATION DATA FOR IMPROVED CONTROL OF AN AUTOMONOUS VEHICLE	GRT	19 May 2015	9037337
XSJO920120023- US-NP	US	NON-DISRUPTIVE SOFTWARE UPDATES FOR SERVERS PROCESSING NETWORK TRAFFIC	GRT	19 May 2015	US9038053
XSJO920120055- US-NP	US	MULTICAST ROUTE ENTRY SYNCHRONIZATIO N	GRT	19 May 2015	US9036634
XJP920080265- US-PCT	US	READING DATA STORED IN RECORDING MEDIUM	GRT	19 May 2015	US9036286
XRPS920100121- US-CNT	US	DYNAMIC USE OF RAID LEVELS RESPONSIVE TO WORKLOAD REQUIREMENTS	GRT	19 May 2015	9037794

XRPS920110043-US-NP	US	IMPROVING MEMORY TRAINING RESULTS CORRESPONDING TO A PLURALITY OF MEMORY MODULES	GRT	26 May 2015	US9043586
XRPS920120071-US-NP	US	TRANSFERRING FILES TO A BASEBOARD MANAGEMENT CONTROLLER ('BMC') IN A COMPUTING SYSTEM	GRT	26 May 2015	US9043776
XRPS920100114-US-DIV	US	CONTROLLING ELECTROMAGNETIC RADIATION IN A DATA CENTER	GRT	26 May 2015	US9040933
XRPS920120071-US-CNT	US	TRANSFERRING FILES TO A BASEBOARD MANAGEMENT CONTROLLER ('BMC') IN A COMPUTING SYSTEM	GRT	26 May 2015	US9043777
XTW920110020-US-NP	US	CIRCUIT BOARD ASSEMBLY, ELECTRONIC DEVICE HAVING THE SAME, AND LIFTING AND LOWERING APPARATUS THEREOF	GRT	02 Jun 2015	US9048592
XROC920120011-US-NP	US	TRUSTED SYSTEM NETWORK	GRT	09 Jun 2015	US9053315

XRPS920060146- US-NP	US	NETWORK SWITCH LOAD BALANCE OPTIMIZATION	GRT	09 Jun 2015	US9054964
XRPS920110105- US-NP	US	ERROR DETECTION AND CORRECTION OF A DATA TRANSMISSION	GRT	09 Jun 2015	US9054840
XSJO920110040- US-CNT	US	CENTRALIZED CONTROL AND MANAGEMENT PLANES FOR DIFFERENT INDEPENDENT SWITCHING DOMAINS	GRT	09 Jun 2015	US9054983
XIN920100168- CN-PCT	CN	DETECTING AND AUTOMATICALLY RESPONDING TO AIRBORNE HYDROCARBON GAS	GRT	10 Jun 2015	ZL201180047834.2
XROC920120205 -US-NP	US	AVOIDING NETWORK ADDRESS TRANSLATION IN A MOBILE DATA NETWORK	GRT	16 Jun 2015	US9060308
XRPS920120122- US-NP	US	DETERMINING REDUNDANCY IN A POWER DISTRIBUTION SYSTEM	GRT	16 Jun 2015	US9058156
XTUC920120095 -US-NP	US	HTTP PERFORMANCE ENHANCEMENT BASED ON DELTA TRANSFER	GRT	16 Jun 2015	US9058400

XTUC920130003 -US-NP	US	EXTERNALLY SERVICEABLE IT MEMORY DIMMS FOR SERVER/TOWER ENCLOSURES	GRT	16 Jun 2015	US9060453
XRPS920130117- US-CNT	US	SECURELY RECONFIGURING A MULTI-NODE SYSTEM TO PREVENT FIRMWARE ROLLBACK	GRT	16 Jun 2015	US9058496
XR0C920120196 -US-NP	US	FIRMWARE GENERATED REGISTER FILE FOR USE IN HARDWARE VALIDATION	GRT	23 Jun 2015	9063922
XRPS920110085- US-NP	US	MANAGING POWER MODES OF A COMPUTING SYSTEM	GRT	23 Jun 2015	US9063733
XRPS920130106- US-NP	US	LATCH MECHANISM FOR SECURING AN ELECTRONIC MODULE	GRT	23 Jun 2015	9063705
XRPS920090053- JP-NP	JP	HEATSINK WITH PERIODICALLY PATTERNED BASEPLATE STRUCTURE	GRT	26 Jun 2015	5765897
X AUS920130076 -US-NP	US	INTEGRATING STREET VIEW WITH LIVE VIDEO DATA	GRT	30 Jun 2015	US9070344

XAUS920130076 -US-CNT	US	INTEGRATING STREET VIEW WITH LIVE VIDEO DATA	GRT	30 Jun 2015	US9070345
XRPS920120120- US-CNT	US	INFERRING SECURITY DECISIONS FROM TRUSTED USERS	GRT	30 Jun 2015	US9069951