

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5706589

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
LENOVO ENTERPRISE SOLUTIONS (SINGAPORE) PTE LTD.		01/01/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	LENOVO INTERNATIONAL LIMITED	
<b>Street Address:</b>	23/F, LINCOLN HOUSE, 979 KING'S ROAD	
<b>City:</b>	QUARRY BAY	
<b>State/Country:</b>	HONG KONG	
<b>PROPERTY NUMBERS Total: 16</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	9507790	
Patent Number:	9513713	
Patent Number:	9527151	
Patent Number:	9519738	
Patent Number:	9507393	
Patent Number:	9515879	
Patent Number:	9509832	
Patent Number:	9514009	
Patent Number:	9520043	
Patent Number:	9509758	
Patent Number:	9507586	
Patent Number:	9529172	
Patent Number:	9510448	
Patent Number:	9513972	
Patent Number:	9507644	
Patent Number:	9514846	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>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.</i>		
<b>Phone:</b>	7735108825	

<b>Email:</b>	beckywil@motorola.com
<b>Correspondent Name:</b>	BECKY A. WILLIAMS
<b>Address Line 1:</b>	222 W. MERCHANDISE MART PLAZA
<b>Address Line 2:</b>	SUITE 1800
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60654

<b>NAME OF SUBMITTER:</b>	BECKY A. WILLIAMS
---------------------------	-------------------

<b>SIGNATURE:</b>	/baw/
-------------------	-------

<b>DATE SIGNED:</b>	09/06/2019
---------------------	------------

**Total Attachments: 3**

source=DCG\_Q3\_FY2017#page1.tif

source=DCG\_Q3\_FY2017#page2.tif

source=DCG\_Q3\_FY2017#page3.tif

## 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 January 1, 2017, 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 Wai Ming

Title: Director

Place: Beijing

**EXHIBIT A**

<b>Case Reference</b>	<b>Country</b>	<b>Grant</b>	<b>Grant Number</b>	<b>Internal Title</b>
XAUS92012 0294-US-NP	UNITED STATES	29 Nov 2016	9507790	PROVIDING FILE INDEXES AND PER- FILE VIEWING MODES WITHIN A FILE MANAGEMENT APPLICATION
XAUS92014 0112-US-NP	UNITED STATES	06 Dec 2016	9513713	FINE CONTROL OF MEDIA PRESENTATION PROGRESS
XCN920130 062-US-NP	UNITED STATES	27 Dec 2016	9527151	WAVE SOLDERING APPARATUS AND NOZZLE THEREOF
XRPS920120 107-US-CNT	UNITED STATES	13 Dec 2016	US9519738	SELECTIVELY TUNING FREQUENCY MODES OF A STRUCTURE
XRPS920130 029-US-CNT	UNITED STATES	29 Nov 2016	9507393	DYNAMIC SURFACE AREA EXPANSION IN A REAR DOOR HEAT EXCHANGER
XRPS920130 096-US-NP	UNITED STATES	06 Dec 2016	9515879	ESTABLISHING AN ACTION LIST FOR RECONFIGURATION OF A REMOTE HARDWARE SYSTEM
XRPS920130 100-US-NP	UNITED STATES	29 Nov 2016	US9509832	RECOMMENDING PREFERRED RINGER SETTINGS FOR A MOBILE COMMUNICATIONS DEVICE
XRPS920140 015-US-NP	UNITED STATES	06 Dec 2016	9514009	REDUCING SERVER POWER CONSUMPTION TO COMPENSATE FOR A POWER SUPPLY FAILURE IN A MULTIPLE POWER SUPPLY CONFIGURATION
XRPS920150 092-US-NP	UNITED STATES	13 Dec 2016	9520043	Dynamic Determination of Optimum PDU Outlet
XRSW92013 0026-US-NP	UNITED STATES	29 Nov 2016	9509758	RELEVANT COMMENTARY FOR MEDIA CONTENT
XSJO920120 080-US-NP	UNITED STATES	29 Nov 2016	9507586	VIRTUAL MACHINE BASED CONTROLLER AND UPGRADE MECHANISM

XSJO920140 018-US-NP	UNITED STATES	27 Dec 2016	9529172	BREAKOUT CABLE
XSJO920140 064-US-NP	UNITED STATES	29 Nov 2016	9510448	MAXIMIZING SURFACE AREA OF SURFACE MOUNT CONTACT PADS OF CIRCUIT BOARD ALSO HAVING VIA CONTACT PADS
XTW920120 033-US-CNT	UNITED STATES	06 Dec 2016	9513972	TASK SCHEDULING BASED ON THERMAL CONDITIONS OF LOCATIONS OF PROCESSORS
XTW920120 033-US-NP	UNITED STATES	29 Nov 2016	9507644	TASK SCHEDULING BASED ON THERMAL CONDITIONS OF LOCATIONS OF PROCESSORS
XTW920130 008-US-NP	UNITED STATES	06 Dec 2016	9514846	MEMORY MODULE STATUS INDICATION
XCN920120 062-CN-NP	China	21 Dec 2016	2012102249 51.8	A SYSTEM & METHOD OF CONNECTOR CHECKING ON COMPUTING SYSTEM
XROC92010 0192-CN-NP	China	07 Dec 2016	2012102332 37.5	SWITCH FABRIC MANAGEMENT
XRPS920120 010-CN-NP	China	28 Dec 2016	2013100686 09.8	MANAGING A STORAGE DEVICE USING A HYBRID CONTROLLER
XRPS920090 062-JP-DIV	Japan	09 Dec 2016	6055022	Apparatus, system, and method for controlling an electronic display