

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

Assignment ID: PATI836055

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	1	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
Lenovo Enterprise Solutions (Singapore) Pte Ltd.		10/01/2023
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	Lenovo Global Technologies International Ltd.	
<b>Street Address:</b>	23/F, Lincoln House	
<b>Internal Address:</b>	979 King's Road	
<b>City:</b>	Quarry Bay	
<b>State/Country:</b>	HONG KONG	
<b>PROPERTY NUMBERS Total: 10</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	11822665	
Patent Number:	11824774	
Patent Number:	11804970	
Patent Number:	11809272	
Patent Number:	11853209	
Patent Number:	11836351	
Patent Number:	11790627	
Patent Number:	11799944	
Patent Number:	11822400	
Patent Number:	11822407	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	4127419292	
<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>	4127418400	
<b>Email:</b>	assignments@ferencelaw.com	
<b>Correspondent Name:</b>	Stanley D. Ference III	
<b>Address Line 1:</b>	Ference & Associates LLC	
<b>Address Line 2:</b>	409 Broad Street	
<b>Address Line 4:</b>	Pittsburgh, PENNSYLVANIA 15143	

<b>ATTORNEY DOCKET NUMBER:</b>	LAP #2
<b>NAME OF SUBMITTER:</b>	Jennifer Farone
<b>SIGNATURE:</b>	/Jennifer Farone/
<b>DATE SIGNED:</b>	02/20/2025
<b>Total Attachments: 2</b> source=FY23Q3#page1.tiff source=FY23Q3#page2.tiff	

## 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, 2023, by their duly authorized representatives.

Lenovo Enterprise Solutions (Singapore) Pte Ltd.

By: 

Name: Kwok You Cheer  
Title: Director  
Place: Singapore

Lenovo Global Technologies International Ltd.

By: 

Name: Wong Wai Ming  
Title: Director  
Place: Beijing

**EXHIBIT A**

Case Reference	Country	Grant Date	Grant Number	Internal Title
XCN920190005-US-NP	United States	11/21/2023	11,822,665	COMPUTING APPARATUS CONFIGURABLE FOR SECURED BOOT
XCN920170011-CN-NP	China	10/13/2023	ZL201810947789.X	Firmware Deployment By Using Blockchain
XRPS920210017-US-NP	United States	11/21/2023	11,824,774	METHOD FOR REDUCING THE NUMBER OF IP ADDRESSES USED WHEN CREATING A VIRTUAL ROUTER
XRPS920210010-US-NP	United States	10/31/2023	11,804,970	BASEBOARD MANAGEMENT CONTROLLER GROUP ADMINISTRATION
XRPS920210014-US-NP	United States	11/7/2023	11,809,272	ERROR CORRECTION CODE OFFLOAD FOR A SERIALY-ATTACHED MEMORY DEVICE
XRPS920190043-US-NP	United States	12/26/2023	11,853,209	SHARED MEMORY WORKLOADS USING EXISTING NETWORK FABRICS
XCN920170007-CN-NP	China	12/1/2023	ZL201810068740.7	TPM Failover
XRPS920210053-US-NP	United States	12/5/2023	11,836,351	CAUSING A STORAGE DEVICE TO SWITCH STORAGE TIERS BASED ON A WEAR LEVEL
XCN920170012-CN-NP	China	10/31/2023	ZL201810904110.9	Method for Fast Recovering Data on a Failed Storage Device
XRPS920210005-US-NP	United States	10/17/2023	11,790,627	Using an Object Key to Deprioritize Processing of Relative Regions
XRPS920220015-US-NP	United States	10/24/2023	11,799,944	INTELLIGENT MULTI-PATH CALL HOME
XRPS920210054-US-NP	United States	11/21/2023	11,822,400	HYBRID SINGLE-PHASE/TWO-PHASE COOLING LOOP TO ENHANCE COOLING OF COMPONENTS
XTW920180006-CN-NP	China	10/13/2023	ZL201910375064.2	FAN TYPE IDENTIFICATION APPARATUS AND METHOD
XRPS920210042-US-NP	United States	11/21/2023	11,822,407	POWER FAULT DETECTION FOR COMPUTING DEVICE EXPANSION MODULES