

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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Assignment ID: PATI836032

<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.		10/01/2022
<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:	11403243	
Patent Number:	11394690	
Patent Number:	11379020	
Patent Number:	11394781	
Patent Number:	11385885	
Patent Number:	11455020	
Patent Number:	11425124	
Patent Number:	11425014	
Patent Number:	11418862	
Patent Number:	11393062	
<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	

**PATENT**

<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=FY22Q2#page1.tiff source=FY22Q2#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, 556741 (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, 2022, 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: Raleigh

**EXHIBIT A**

<b>Case Reference</b>	<b>Country</b>	<b>Grant Date</b>	<b>Grant Number</b>	<b>Internal Title</b>
XTW920170005-US-NP	United States	8/2/2022	11,403,243	Mainboard of a Server and Method of Populating DIMM Slots of a Mainboard
XRPS920190073-US-NP	United States	7/19/2022	11,394,690	END-TO-END SECURITY IN A CLOUD ADAPTIVE OVERLAY NETWORK
XRPS920190017-US-NP	United States	7/5/2022	11,379,020	LIQUID COOLED MEMORY MODULE SERVICE DEVICE FOR SYSTEMS WITH MULTIPLE MEMORY MODULE THICKNESSES AND METHODS OF USING THE SAME
XRPS920200094-US-NP	United States	7/19/2022	11,394,781	SERVICING STORAGE REQUESTS USING AN OPTIMAL PATH IN A COMPOSITE CLOUD ENVIRONMENT
XCN920170014-US-NP	United States	7/12/2022	11,385,885	System and Method of Downloading a Firmware to a Server
XCN920180005-US-NP	United States	9/27/2022	11,455,020	COMPUTING DEVICE, APPARATUS FOR HOLDING POWER SUPPLY DEVICE, AND METHODS OF INSTALLING POWER SUPPLY DEVICE IN COMPUTING DEVICE
XRPS920190034-US-NP	United States	8/23/2022	11,425,124	Method for cloud assisted authorization of IoT identity bootstrapping
XRPS920190029-US-NP	United States	8/23/2022	11,425,014	Scalable In-Band Telemetry Metadata Extraction
XRPS920190032-US-NP	United States	8/16/2022	11,418,862	Link Fault Management for Optical Adapters
XRPS920190070-US-NP	United States	7/19/2022	11,393,062	Automatic Security Check for Missing Passenger on Ride Services

**PATENT****RECORDED: 02/20/2025****REEL: 070267 FRAME: 0095**