

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI836049

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	1	
CONVEYING PARTY DATA		
Name		Execution Date
Lenovo Enterprise Solutions (Singapore) Pte Ltd.		07/01/2023
RECEIVING PARTY DATA		
Company Name:	Lenovo Global Technologies International Ltd.	
Street Address:	23/F, Lincoln House	
Internal Address:	979 King's Road	
City:	Quarry Bay	
State/Country:	HONG KONG	
PROPERTY NUMBERS Total: 13		
Property Type	Number	
Patent Number:	11652715	
Patent Number:	11635793	
Patent Number:	11625678	
Patent Number:	11656980	
Patent Number:	11637750	
Patent Number:	11637810	
Patent Number:	11656006	
Patent Number:	11631159	
Patent Number:	11677628	
Patent Number:	11690108	
Patent Number:	11641316	
Patent Number:	11652842	
Patent Number:	11630137	
CORRESPONDENCE DATA		
Fax Number:	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>		
Phone:	4127418400	
Email:	assignments@ferencelaw.com	

Correspondent Name:	Stanley D. Ference III
Address Line 1:	Ference & Associates LLC
Address Line 2:	409 Broad Street
Address Line 4:	Pittsburgh, PENNSYLVANIA 15143

ATTORNEY DOCKET NUMBER:	LAP #2
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NAME OF SUBMITTER:	Jennifer Farone
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SIGNATURE:	/Jennifer Farone/
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DATE SIGNED:	02/20/2025
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Total Attachments: 3

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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 July 1, 2023, by their duly authorized representatives.

Lenovo Enterprise Solutions (Singapore) Pte Ltd.

Lenovo Global Technologies International Ltd.

By: 

Name: Kwek You Cheer
Title: Director
Place: Singapore

By: 

Name: Wong Wai Ming
Title: Director
Place: Raleigh

EXHIBIT A

Case Reference	Country	Grant Date	Grant Number	Internal Title
XCN920180006-CN-NP	China	5/5/2023	CN 110363034 B	INFORMATION HANDLING APPARATUS AND METHOD FOR UNLOCKING A PERSISTENT REGION IN MEMORY
XCN920180005-CN-NP	China	5/26/2023	ZL20191016902 0.4	COMPUTING DEVICE, APPARATUS FOR HOLDING POWER SUPPLY DEVICE, AND METHODS OF INSTALLING POWER SUPPLY DEVICE IN COMPUTING DEVICE
XRPS920210001-US-NP	United States	6/20/2023	11,682,444	DYNAMIC RANDOM-ACCESS MEMORY ARRAY INCLUDING SENSOR CELLS
XRPS920210021-US-NP	United States	5/16/2023	11,650,899	USER INTERFACE EXPERIENCE BY COMPRESSING METRICS AND ALLOWING CUSTOMIZATION OF METRICS COMPRESSION FOR DETAILED ANALYTICS
XRPS920220012-US-NP	United States	5/16/2023	11,652,715	METHOD FOR DETECTING NETWORK MIS-CABLING
XRPS920210023-US-NP	United States	6/20/2023	11,681,353	POWER CAPPING IN A COMPOSABLE COMPUTING SYSTEM
XRPS920210050-US-NP	United States	6/20/2023	11,683,230	APPLYING A FEATURE ON DEMAND UPGRADE RESPONSIVE TO MEASURED UTILIZATION
XRPS920210006-US-NP	United States	6/13/2023	11,675,725	INTERPOSER FOR A CPU SOCKET TO PROVIDE A SERIAL COMPUTER EXPANSION BUS CONNECTION
XCN920190004-CN-NP	China	6/16/2023	ZL20201054964 5.6	DYNAMIC PROCESSING METHOD AND ELECTRONIC DEVICE FOR VISUALIZABLE DATA
XCN920180004-CN-NP	China	6/6/2023	ZL20191016902 7.6	Apparatus and Method for Secured User Authentication in Remote Console Mode
XTW920180006-US-NP	United States	4/25/2023	11,635,793	FAN TYPE IDENTIFICATION APPARATUS AND METHOD
XRPS920200096-US-NP	United States	4/11/2023	11,625,678	Mobile and stationary cameras for identifying a storage location of an inventory item
XTW920190001-US-NP	United States	5/23/2023	11,656,980	EXTENSIBLE MEMORY DUAL INLINE MEMORY MODULE
XRPS920200082-US-NP	United States	4/25/2023	11,637,750	Providing configuration data to a connected network switch
XRPS920190036-US-NP	United States	4/25/2023	11,637,810	Link-layer authentication for legacy network nodes using a remote network access server
XRPS920190020-US-NP	United States	5/23/2023	11,656,006	THERMOELECTRIC COOLER SYSTEMS FOR THERMAL ENHANCEMENT IN IMMERSION COOLING AND ASSOCIATED METHODS THEREOF
XRPS920190038-US-NP	United States	4/18/2023	11,631,159	ZOOM CONTROL OF DIGITAL IMAGES ON A DISPLAY SCREEN

XRPS920170134-US-NP	United States	6/13/2023	11,677,628	TOPOLOGY DISCOVERY BETWEEN COMPUTE NODES AND INTERCONNECT SWITCHES
XRPS920160114-US-NP	United States	6/27/2023	11,690,108	HIGH SPEED WIRELESS DATA COMMUNICATION TO SOLID STATE DRIVE
XRPS920190041-US-NP	United States	5/2/2023	11,641,316	CAPTURING DATA PACKETS FOR ANALYSIS USING A VIRTUAL MACHINE
XRPS920190046-US-NP	United States	5/16/2023	11,652,842	EDGE DEVICE ASSISTED MITIGATION OF PUBLISH-SUBSCRIBE DENIAL OF SERVICE (DoS) ATTACKS
XRPS920190074-US-NP	United States	4/18/2023	11,630,137	RELIABLE HARDWARE METERING