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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY D	ΔΤΔ						
			Name Exec		Execution Date		
APOSTOLIS SALKINTZIS					04/16/2019		
DIMITRIOS KARAMPATSIS					04/16/2019		
ROOZBEH ATARIUS					04/16/2018		
	та						
Name: Street Address:		LENOVO (SINGAPORE) PTE. LTD.					
Internal Address:		151 LORONG CHUAN					
		# 02-01 NEW TECH PARK					
City:							
State/Country:	SINGA		I				
Postal Code:	55674	556741					
PROPERTY NUMBERS	Total: 1						
Property Type			Number	Number			
Application Number: 16325		5381					
CORRESPONDENCE DATA							
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			e-mail address first; if that is uns hat is unsuccessful, it will be sen				
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Email:	heather@kunzlerlaw.com						
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ATTORNEY DOCKET NUMBER:		SMM920180078-US-PCT					
NAME OF SUBMITTER:		BRIAN C. KUNZLER					
SIGNATURE:		/Brian C. Kunzler/					
DATE SIGNED:			04/18/2019				
Total Attachments: 6							
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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Apostolis Salkintzis**, **Athen**, **Greece**; **Dimitrios Karampatsis**, **Ruislip**, **United Kingdom**; and **Roozbeh Atarius**, **La Jolla**, **California**; have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **Lenovo (Singapore) Pte. Ltd.**, a corporation of Singapore, having a place of business at 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions described, illustrated and claimed in the following applications:

U.S. Application filed herein and entitled: "DETERMINING A TYPE OF NETWORK CONNECTION FROM AN OS-SPECIFIC CONNECTION CAPABILITY" ; and

International Application PCT/EP2018/076452, filed on September 28, 2018 entitled "DETERMINING A TYPE OF NETWORK CONNECTION FROM AN OS-SPECIFIC CONNECTION CAPABILITY"

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and I further authorize Assignee to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

(1) Legal Name of Inventor: Apostolis Salkintzis

Date: Apr. 16, 2019 Signature:

(2) Legal Name of Inventor: Dimitrios Karampatsis

Signature:		Date:
<u> </u>	 	

(3) Legal Name of Inventor: Roozbeh Atarius

Signature:	Date:

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For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Apostolis Salkintzis**, **Athen**, **Greece**; **Dimitrios Karampatsis**, **Ruislip**, **United Kingdom**; and **Roozbeh Atarius**, **La Jolla**, **California**; have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **Lenovo (Singapore) Pte. Ltd.**, a corporation of Singapore, having a place of business at 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions described, illustrated and claimed in the following applications:

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I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters

PATENT REEL: 048926 FRAME: 0512

DOCKET NUMBER: SMM920180078-US-PCT

Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

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(1) Legal Name of Inventor: Apostolis Salkintzis

Signature:_____ Date:_____

(2) Legal Name of Inventor: Dimitrios Karampatsis

Signature:

Date: 6 APRIL 2019

(3) Legal Name of Inventor: Roozbeh Atarius

Signature:______Date:_____

Page 2 of 2

DOCKET NUMBER: SMM920180078-US-PCT

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For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Apostolis Salkintzis**, **Athen**, **Greece**; **Dimitrios Karampatsis**, **Ruislip**, **United Kingdom**; and **Roozbeh Atarius**, **La Jolla**, **California**; have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **Lenovo (Singapore) Pte. Ltd.**, a corporation of Singapore, having a place of business at 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions described, illustrated and claimed in the following applications:

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PATENT REEL: 048926 FRAME: 0514

DOCKET NUMBER: SMM920180078-US-PCT

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(1) Legal Name of Inventor: Apostolis Salkintzis

Signature: Date:

(2) Legal Name of Inventor: Dimitrios Karampatsis

Signature:_____Date:_____

(3) Legal Name of Inventor: Roozbeh Atarius

_____Date:<u>4/16/20</u>18 Signature:

RECORDED: 04/18/2019