

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6660110

<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 (SINGAPORE) PTE LTD		03/03/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	LENOVO PC INTERNATIONAL LTD	
<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: 38</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	10509677	
Patent Number:	10509437	
Patent Number:	10496882	
Patent Number:	10471965	
Patent Number:	10431139	
Patent Number:	10438583	
Patent Number:	10504350	
Patent Number:	10498900	
Patent Number:	10467402	
Patent Number:	10515270	
Patent Number:	10439418	
Patent Number:	10448336	
Patent Number:	10497368	
Patent Number:	10429798	
Patent Number:	10475397	
Patent Number:	10521187	
Patent Number:	10470113	
Patent Number:	10437286	
Patent Number:	10552109	
Patent Number:	10503209	
Patent Number:	10503212	

PATENT

Property Type	Number
Patent Number:	10484321
Patent Number:	10452037
Patent Number:	10510350
Patent Number:	10485056
Patent Number:	10523605
Patent Number:	10443781
Patent Number:	10437461
Patent Number:	10430503
Patent Number:	10499164
Patent Number:	10474201
Patent Number:	10437350
Patent Number:	10492594
Patent Number:	10515040
Patent Number:	10511608
Patent Number:	10506040
Patent Number:	10516816
Patent Number:	10445488

#### CORRESPONDENCE DATA

**Fax Number:**

*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.*

**Phone:** 7033000569

**Email:** jfriday@lenovo.com

**Correspondent Name:** JASON FRIDAY

**Address Line 1:** 8001 DEVELOPMENT DRIVE

**Address Line 2:** LEGAL DEPARTMENT, PATENTS

**Address Line 4:** MORRISVILLE, NORTH CAROLINA 27560

<b>NAME OF SUBMITTER:</b>	JASON A. FRIDAY
<b>SIGNATURE:</b>	/Jason A. Friday 62650/
<b>DATE SIGNED:</b>	04/16/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### Total Attachments: 6

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**Schedule C: Deed of Transfer****DEED OF TRANSFER****BY AND BETWEEN:**

1. **Lenovo (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, hereinafter referred to as "Seller"; and
2. **Lenovo PC International Limited**, a limited company organized under the laws of Hong Kong with its principal place of business at 23/F, Lincoln House, 979 King's Road, Quarry Bay, Hong Kong hereinafter referred to as "Purchaser".

**HEREBY AGREE AS FOLLOWS:**

- (a) Pursuant to the periodic intellectual property sales and transfer agreement to be effective as of the 1<sup>st</sup> day of April, 2013 (the "Agreement"), Seller has agreed to sell, transfer, convey and assign the first day of each Quarter (as defined in the Agreement) to Purchaser, all Future IP vested in such respective previous Quarter and Purchaser has agreed to purchase, assume and accept the same;
- (b) The Future IP vested in the Quarter prior to the date hereof (being months October to December 2019) and sold, transferred, conveyed and assigned pursuant to this deed of transfer are (the "Vested Future IP"):
 

**Technical IP:**

Case Reference	Country	Grant	Grant Number	Internal Title
RPS920150197-US-NP	United States	12/17/2019	10,509,677	Granular QOS for Computing Resources == Granular Quality of Service for Computing Resources.
RPS920170095-US-NP	United States	12/17/2019	10,509,437	[PtMng] (Android VA) Smart Home Display - Multi-Position Device with Integrated Stand [orig. submitted by Patterson, Sam (752922)] == Digital Assistant Device.
RPS920150190-US-NP	United States	12/3/2019	10,496,882	[IoD] Biometrics #29 - Method for securing device using contact lenses == Coded Ocular Lens for Identification.
RPS920150188-US-NP	United States	11/12/2019	10,471,965	[IoD] Biometrics #22 Method for securing guest access to vehicle == Securing Guest Access to Vehicle.
RPS920170091-US-NP	United States	10/1/2019	10,431,139	Improved screen color calibration using an internal screen target == Screen color calibration.
RPS920150186-US-NP	United States	10/8/2019	10438583	Method to obtain candidate reminders from speech == Natural Language Voice Assistant.
RPS920150034-US-NP	United States	12/10/2019	10,504,350	Crowd sourced theft deterrent for neighborhood == Crowd Sourced Theft

				Deterrent for Neighborhoods
RPS920170073-US-NP	United States	12/3/2019	10,498,900	Method for receiving emergency alerts from new contacts == Systems and Methods to parse Message for providing alert at device.
RPS920150180-US-NP	United States	11/5/2019	10,467,402	[IoD] Biometrics #11 - Method to provide secure machine to machine communication by leveraging unique micro current, and network timing patterns == Systems and Methods for Authentication based on Electrical Characteristic Information.
RPS920170061-US-NP	United States	12/24/2019	10,515,270	Method to enable dynamic head/eye scroll feature == Systems and Methods to enable and disable scrolling using camera input.
RPS920150174-US-NP	United States	10/8/2019	10,439,418	Lithium plating mitigation solution for ultra fast charge application == Systems and Methods to charge a battery at different Charge rates and indicate when charging at a faster rate is available.
RPS920170054-US-NP	United States	10/15/2019	10,448,336	Method to reduce GPS power consumption using alternative data == Systems and Methods to Vary rate of Communication between GPS transceiver and at least one satellite for Outputting directions.
RPS920170055-US-NP	United States	12/3/2019	10,497,368	Audio assistant intercom mechanism == Transmitting Audio to an Identified recipient.
RPS920170045-US-NP	United States	10/1/2019	10,429,798	Method to manage multiple concurrent timers with natural language == Generating Timer Data.
RPS920150169-US-NP	United States	11/12/2019	10,475,397	Method to switch display == Systems and Methods for Determining Whether to Present Content using Electronic paper Display.
RPS920160026-US-NP	United States	12/31/2019	10,521,187	Methods to Add Visual Content Interactions with Voice Assistant == Presenting Visual Information on a Display.
RPS920150145-US-NP	United States	11/5/2019	10,470,113	to optimize communication usage based on cost or available bandwidth == Usage of Network based on Quality of Network at a particular location.
RPS920160010-US-NP	United States	10/8/2019	10,437,286	[PtMng] Cartier Notebook #11 - Stacking Laptop System [orig. submitted by Perelli, Thomas (WT-9NZJ5E-CONTRACTOR)] == Computing Device.
RPS920150114-US-NP	United States	12/31/2019	10,522,109	Method to determine context appropriate device brightness == Adjusting Brightness Settings based on Context Data.
RPS920160001-US-NP	United States	12/10/2019	10,503,209	Computing device built using structural printed circuit boards == Electronic Device with Structural Layer.
RPS920150073-US-NP	United States	12/10/2019	10,503,212	System and method for servicing personal computers and mobile devices == Removable Access Panel.
RPS920150099-US-NP	United States	11/19/2019	10,484,321	Method to remove user from subsequent group messaging == Apparatus, Method,

				and Program Product for Blocking Group Message Replies.
RPS920150105-US-NP	United States	10/22/2019	10,452,037	APPARATUS, METHOD, AND PROGRAM PRODUCT FOR CONTROLLING APPLIANCES
RPS920150065-US-NP	United States	12/17/2019	10,510,350	INCREASING ACTIVATION CUE UNIQUENESS
RPS920150209-US-NP	United States	11/19/2019	10,485,056	Adjustable Mobile Interface Based on Hand Placement — Sensor Based Interface Adjustment.
RPS920150096-US-NP	United States	12/31/2019	10,523,605	CONFORMING ELECTRONIC COMMUNICATION ATTACHMENTS TO A RECIPIENT SYSTEM'S SETTINGS
RPS920150051-US-NP	United States	10/15/2019	10,443,781	[PtMng] Matrix #3 - Different sized computer display panels are interchangeable (II) [orig. submitted by Godfrey, Cyan (629160)] — MODular Display System.
RPS920140098-US-NP	United States	10/8/2019	10437461	Handwritten stroke auto adjustment inside existing layout — Presentation of Representation of Handwriting Input on Display.
RPS920150006-US-NP	United States	10/1/2019	10,430,503	Method to fit content — Electronic Display Content Fitting
RPS920140156-US-NP	United States	12/3/2019	10,499,164	Smart hearing aid — Presentation of Audio Based on Source.
RPS920180024-US-NP	United States	11/12/2019	10,474,201	Rising Keyboard — Electronic Apparatus having an Elevation Mechanism and Method using the same.
RPS920130040-US-NP	United States	10/8/2019	10437350	Stylus Shorthand
RPS920130185-US-DIV	United States	12/3/2019	10,492,594	Activity Powered Belt Device as a Remote Sensor — Activity Powered Band Device.
RPS920130024-US-NP	United States	12/24/2019	10,515,040	Automatic switching of USB connectivity between server host and the BMC based on contents of attached USB device — Data Bus Host and Controller Switch.
RPS920140036-US-NP	United States	12/17/2019	10,511,608	[PtMng] Reach #6,7 - Aggregated sharing of data from remote devices and cloud storage [orig. submitted by CHILDS, PHILIP Lee (00505839)] — Aggregate Service with File Sharing.
RPS920140033-US-NP	United States	12/10/2019	10,506,040	[PtMng] Reach #2 - Protocol for enhanced cloud processing [orig. submitted by CHILDS, PHILIP Lee (00505839)] — Aggregate Service with Enhanced Remote Device Management.
RPS920140029-US-NP	United States	12/24/2019	10516816	Quick Shot tablet cover with enhanced features — Enhanced Information Handling Device Cover.
RPS920130015-US-NP	United States	10/15/2019	10,445,488	Intuitive touch gesture-based transfer between two devices.
RPS920160001-BE-BEA	Belgium	10/9/2019	3285140	Electronic Device with Structural Layer.
RPS920140177-CN-NP	China	12/24/2019	ZL 2015105681 03.2	Improved Yoga Hinge

RPS920150003-CN-NP	China	12/24/2019	ZL 2016101627 24.5	Method to optimize in-use and standby memory
RPS920040060DE1	Germany	11/24/2019	1120050017 39B4	SECURE STORAGE TRACKING FOR ANTI-VIRUS SPEED-UP
RPS920160001-DE- DEA	Germany	10/9/2019	6020170075 89.2	Electronic Device with Structural Layer.
RPS920150197-GB-NP	Great Britain	10/23/2019	2544609	Granular Quality of Service for Computing Resources

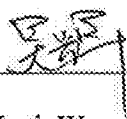
**Marketing Intangibles:**

Trademark	Country	Filing Date	App. No.	Reg. Date	Reg. No.
AIRSTACK	Germany	Dec 21 2018	1448795	Dec 21 2018	1448795
AIRSTACK Logo	India	Jan 25 2019	1455101	Jan 25 2019	1455101
THINKBOOK	Chile	Nov 20 2018	1306776	Jul 26 2019	1302559
THINKBOOK	New Zealand	May 13 2019	1121986	Nov 14 2019	1466979
THINKREALITY	Jamaica	Dec 11 2018	76501	Oct 10 2019	76501
THINKREALITY	Montenegro	Dec 07 2018	1447376	Dec 07 2018	1447376
THINKREALITY	Switzerland	Dec 07 2018	1447376	Dec 07 2018	1447376
THINKREALITY	Turkey	Dec 07 2018	1447376	Dec 07 2018	1447376
THINKSHIELD	Israel	Oct 04 2018	310419	Oct 04 2018	1431022
THINKSHIELD	Mexico	Oct 04 2018	1431022	Oct 04 2018	1431022
THINKSHIELD	Montenegro	Oct 04 2018	1431022	Oct 04 2018	1431022
THINKSHIELD	Morocco	Oct 04 2018	1431022	Oct 04 2018	1431022
THINKSHIELD	Ukraine	Oct 04 2018	1431022	Oct 04 2018	1431022
THINKSHIELD	Vietnam	Oct 04 2018	1431022	Oct 04 2018	1431022

THINKSMART	Kosovo	Dec 21 2017	KS/M/2017/0 01540	Nov 08 2018	23716
THINKSMART	Kuwait	Dec 28 2017	196818	Jul 18 2018	160956
THINKSMART	Kuwait	Dec 28 2017	196819	Jul 18 2018	160957
THINKSMART	Kuwait	Dec 28 2017	196820	Jul 18 2018	160598
THINKSMART	Morocco	Dec 07 2017	1396390	Dec 07 2017	1396390
THINKSMART	Singapore	Dec 07 2017	40201806469 W	Dec 07 2017	1396390

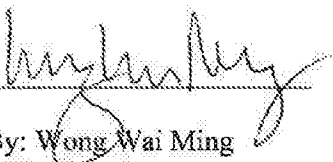
- (c) By signing this deed of transfer, Seller sells, assigns, conveys and transfers the Vested Future IP to Purchaser, which sale, assignment, conveyance and transfer Purchaser hereby accepts;
- (d) In accordance with Article 3.1 of the Agreement, the Purchase Price (as defined in the Agreement) for the sale, transfer, conveyance and assignment of the Vested Future IP is USD 70,919,544;
- (e) Seller hereby authorizes Purchaser to use this deed of transfer for registering the transfer of certain of the Vested Future IP embodied in this deed of transfer in the relevant registers, if any, and Purchaser shall bear the costs associated therewith; and
- (f) This deed of transfer shall be appended to the Agreement and shall form part of the Agreement as per the date of signing of the deed of transfer.

**Lenovo (Singapore) PTE Ltd.**

  
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By: Hugh Wu  
Title: Director  
Date: 20 January 2020  
Place of execution: San Francisco

**Lenovo PC International Limited**

  
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By: Wong Wai Ming  
Title: Director  
Date: 3 March 2020  
Place of execution: Tokyo