

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7428667

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LENOVO (SINGAPORE) PTE LTD	07/01/2021

RECEIVING PARTY DATA

Name:	LENOVO PC INTERNATIONAL LIMITED
Street Address:	979 KING'S ROAD
Internal Address:	23/F, LINCOLN HOUSE
City:	QUARRY BAY
State/Country:	HONG KONG

PROPERTY NUMBERS Total: 52

Property Type	Number
Patent Number:	11042727
Patent Number:	10999232
Patent Number:	11019185
Patent Number:	11023769
Patent Number:	10972697
Patent Number:	10972605
Patent Number:	11048782
Patent Number:	11048931
Patent Number:	11016529
Patent Number:	11016575
Patent Number:	11030445
Patent Number:	11025078
Patent Number:	11036386
Patent Number:	11038361
Patent Number:	11003259
Patent Number:	11036375
Patent Number:	10989987
Patent Number:	10972814
Patent Number:	10971780
Patent Number:	10970806

PATENT

Property Type	Number
Patent Number:	11043341
Patent Number:	10990128
Patent Number:	10997046
Patent Number:	11048462
Patent Number:	11016530
Patent Number:	10997183
Patent Number:	11009917
Patent Number:	11010042
Patent Number:	11048736
Patent Number:	11009915
Patent Number:	11049511
Patent Number:	10992027
Patent Number:	10983573
Patent Number:	11017811
Patent Number:	11007445
Patent Number:	11003398
Patent Number:	10996714
Patent Number:	11029725
Patent Number:	10969831
Patent Number:	11023006
Patent Number:	11036260
Patent Number:	11019440
Patent Number:	11029723
Patent Number:	10992150
Patent Number:	11017492
Patent Number:	10975207
Patent Number:	10996924
Patent Number:	11030882
Patent Number:	10992903
Patent Number:	11017044
Patent Number:	10991139
Patent Number:	11017746

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.

Email: jfriday@lenovo.com

Correspondent Name: JASON A FRIDAY

Address Line 1: 8001 DEVELOPMENT DRIVE
Address Line 2: LEGAL DEPARTMENT, IP
Address Line 4: MORRISVILLE, NORTH CAROLINA 27560

NAME OF SUBMITTER: JASON A FRIDAY

SIGNATURE: /JASON A FRIDAY 62650/

DATE SIGNED: 07/13/2022

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 16

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ASSIGNMENT OF PATENT RIGHTS

WHEREAS, 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, 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 PC International Limited, 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 an Intellectual Property Sale and Transfer Agreement effective April 1, 2013 and a Periodic Intellectual Property Sale and Transfer Agreement effective April 1, 2013 (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, 2021, by their duly authorized representatives.

Lenovo (Singapore) Pte Ltd.

Lenovo PC International Ltd.

By: _____

By:  _____

Name:
Title: Director
Place:

Name: Barry Au
Title: Director
Place: Beijing

PATENT APPLICATION PUBLICATION

This document is a preliminary publication of an application for a patent. It is not to be construed as an offer of protection or as an indication of the scope of the invention. It is intended to provide the public with a general understanding of the nature of the invention and to enable them to determine whether or not they are interested in the invention.

The invention described herein relates to a method and apparatus for the detection and identification of objects in a scene. The method involves the use of a camera to capture a scene and the use of a computer to process the resulting image. The apparatus includes a camera and a computer system.

The method of the invention is characterized by the use of a camera to capture a scene and the use of a computer to process the resulting image. The apparatus of the invention includes a camera and a computer system.

The invention described herein is a method and apparatus for the detection and identification of objects in a scene. The method involves the use of a camera to capture a scene and the use of a computer to process the resulting image. The apparatus includes a camera and a computer system.

ASSIGNMENT OF PATENT RIGHTS

WHEREAS, 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, 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;

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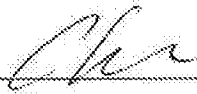
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IN TESTIMONY WHEREOF, ASSIGNOR and ASSIGNEE have hereunto executed this Assignment effective July 1, 2021, by their duly authorized representatives.

Lenovo (Singapore) Pte Ltd.

Lenovo PC International Ltd.

By: 

By: _____

Name: Chen Lei
Title: Director
Place: Singapore

Name: Barry Au
Title: Director
Place: Beijing

EXHIBIT A

Case Reference	Country	Grant	Grant Number	Internal Title
RPS920190107-US-NP	United States	6/22/2021	11,042,727	Facial Recognition Using Time-Variant User Characteristics.
RPS920180075-US-NP	United States	5/4/2021	10,999,232	Adaptive Notification
RPS920200016-US-NP	United States	5/25/2021	11,019,185	Data Usage Negotiation.
RPS920180118-US-NP	United States	6/1/2021	11,023,769	MODIFYING AN IMAGE BASED ON IDENTIFYING A FEATURE
RPS920180119-US-NP	United States	4/6/2021	10,972,697	Projection System
RPS920180109-US-NP	United States	4/6/2021	10,972,605	Signature based Communication Authentication
RPS920180102-US-NP	United States	6/29/2021	11,048,782	User Identification Notification for Non-Personal Device
RPS920180040-US-NP	United States	6/29/2021	11,048,931	Recognition Based Handwriting Input Conversion
RPS920190202-US	United States	5/25/2021	11,016,529	Computing Device
RPS920170096-US-NP	United States	5/25/2021	11,016,575	INPUT TOOL
RPS920160068-US-NP	United States	6/8/2021	11,030,445	SORTING AND DISPLAYING DIGITAL NOTES ON A DIGITAL WHITEBOARD
RPS920150075-US-NP	United States	6/1/2021	11,025,078	SUPPLEMENTAL BATTERIES FOR ELECTRONIC DEVICES
RPS920140064-US-NP	United States	6/15/2021	11,036,386	APPLICATION SWITCHING ON MOBILE DEVICES
RPS920140162-US-NP	United States	6/15/2021	11,038,361	BATTERY WITH CATHODE MATERIALS FOR CHARGING AT DIFFERENT RATES
RPS920140118-US-NP	United States	5/11/2021	11,003,259	SIMULATION KEYBOARD SHORTCUTS WITH PEN INPUT
RPS920190197-US-NP	United States	6/15/2021	11,036,375	Dynamic Zoom based on Media
JP920190036-US-NP	United States	4/27/2021	10,989,987	Electronic Apparatus
RPS920180011-US-NP	United States	4/6/2021	10,972,814	CONTEXT-BASED SENSOR DATA RECORDING
RPS920180019-US-NP	United States	4/6/2021	10,971,780	RELEASABLE BATTERY PACKAGE
JP920180051-US-NP	United States	4/6/2021	10,970,806	EXTERNAL GPU MANAGEMENT
JP920190014-US-NP	United States	6/22/2021	11,043,341	Keyboard baseplates including a concave Structure for housing a logic substrate
JP920180044-US-	United States	4/27/2021	10,990,128	Portable Information Apparatus having a

Case Reference	Country	Grant	Grant Number	Internal Title
NP				display
JP920190059-US-NP	United States	5/4/2021	10,997,046	Integrity Check Staging
RPS920190169-US-NP	United States	6/29/2021	11,048,462	Associating a Selector with Plural Applications for Presenting the plural Applications on Respective plural monitors.
JP920190013-US-NP	United States	5/25/2021	11,016,530	Flexible Hinge location and alignment to be invisible
RPS920130150-US-NP	United States	5/4/2021	10,997,183	DETERMINING TRENDS FOR A USER USING CONTEXTUAL DATA
RPS920130259-US-NP	United States	5/18/2021	11,009,917	DEVICE WITH STAND
RPS920130207-US-NP	United States	5/18/2021	11,010,042	[PtMng] Discovery #5 - Dynamically sized widget (originally submitted by VANBLON, RUSSELL SPEIGHT (00506239)) == Display of Different Versions of User Interface Element.
RPS920130155-US-NP	United States	6/29/2021	11,048,736	FILTERING SEARCH RESULTS USING SMART TAGS
JP920190114-US-NP	United States	5/18/2021	11,009,915	Warpage correctable rubber foot
RPS920190186-US-NP	United States	6/29/2021	11,049,511	Systems and Methods to Determine Whether to Unmute Microphone based on Camera input
JP920180094-US-NP	United States	4/27/2021	10,992,027	Stable antenna performance with space optimization
JP920180046-US-NP	United States	4/20/2021	10,983,573	Portable Information apparatus having a display
RPS920190060-US-NP	United States	5/25/2021	11,017,811	Playback speed optimization
RPS920190053-US-NP	United States	5/18/2021	11,007,445	Techniques for Curation of Video Game Clips
RPS920190050-US-NP	United States	5/11/2021	11,003,398	Printer System
RPS920190085-US-NP	United States	5/4/2021	10,996,714	Slotted Base Display Device
JP920190027-US-NP	United States	6/8/2021	11,029,725	Folio slide mechanism for foldable device
JP920190041-US-NP	United States	4/6/2021	10,969,831	Screw hole reduction for three separated baseplate structure
RPS920190017-US-NP	United States	6/1/2021	11,023,006	Docking Support bar
RPS920190014-US-NP	United States	6/15/2021	11,036,260	Keyboard Attachment to foldable Device
RPS920190130-US-NP	United States	5/25/2021	11,019,440	Methods and Devices for managing transmission of synchronized audio based on

Case Reference	Country	Grant	Grant Number	Internal Title
				user location
JP920200014-US-NP	United States	6/8/2021	11,029,723	Butterfly KBD - Open/Close by single hand mechanism
RPS920150165-US-NP-DIV2	United States	4/27/2021	10,992,150	SYSTEMS AND METHODS TO DETERMINE TIME AT WHICH BATTERY IS TO BE CHARGED
JP920180038-US-NP	United States	5/25/2021	11,017,492	Video Signal Switching for Use with an external graphics Processing Unit Device
RPS920180074-US-NP	United States	4/13/2021	10,975,207	Apparatus for Attaching Structures
RPS920180084-US-NP	United States	5/4/2021	10,996,924	DRAWING ATTENTION TO A GRAPHICAL ELEMENT ON A DISPLAY
RPS920180077-US-NP	United States	6/8/2021	11,030,882	Automated Security Subsystem Activation
RPS920200050-US-NP	United States	4/27/2021	10,992,903	Screen Positioning based on Dominant User Characteristic Determination.
RPS920180117-US-NP	United States	5/25/2021	11,017,044	APPARATUS, METHOD, AND PROGRAM PRODUCT FOR FILTERING SIMILAR CONTENT ITEMS
RPS920180111-US-NP	United States	4/27/2021	10,991,139	PRESENTATION OF GRAPHICAL OBJECT(S) ON DISPLAY TO AVOID OVERLAY ON ANOTHER ITEM
RPS920180057-US-NP	United States	5/25/2021	11,017,746	Auxiliary Display Scaling Factor
RPS920061060BR1	Brazil	4/13/2021	PI0801772	HYPERVISOR TO DO RENTAL PC
RPS920150032-CN-NP	China	4/27/2021	2016108330511	[PtMng] Better Tether #3 - Distributed Metering [orig. submitted by VANOVER, Michael T. (00505198)]
RPS920150171-CN-NP	China	4/27/2021	2017105421142	A method of activate/deactivate voice assistant function for battery saving through machine learning and presence detection
RPS920150142-CN-NP	China	4/27/2021	201611101407.9	Wearable device notifications settings based on if the device is being worn
RPS920130042-DE-NP	Germany	4/1/2021	102014106581	Dynamic Touch Screen Bezels == Einrichten eines Displays ausgehend von einem Abstandshalter eines Computergerätes
RPS920170101-GB-NP	Great Britain	5/12/2021	2572675	Most autonomous friendly route == Systems and Methods for Identifying first route to destination as involving less human driving of vehicle than second Route to Destination
RPS920160027-GB-NP	Great Britain	5/12/2021	2563483	Method for warning about inactive wearable device
RPS920170115-GB-NP	Great Britain	5/26/2021	GB2573639	Method to display augmented reality message requiring minimal user response
RPS920170116-GB-NP	Great Britain	6/16/2021	2572678	Method to control augmented reality content

Case Reference	Country	Grant	Grant Number	Internal Title
GB-NP				== Augmented Reality Content Characteristic Adjustment.
JP920190124-JP-NP	Japan	6/14/2021	6898485	Bell-Shape folding display layer structure to control uniform bending curve
JP920190105-JP-NP	Japan	4/16/2021	6870063	Two color mold TrackPoint cap
JP920190111-JP-NP	Japan	4/14/2021	6868716	Backlight KBD
JP920190083-JP-NP	Japan	5/13/2021	6884189	Flat shutter frame for folding panel-2
JP920190011-JP-NP	Japan	4/9/2021	6866449	Interposer/Spacer/Stiffener for electronic components mounting
JP920190078-JP-NP	Japan	4/27/2021	6876113	Graceful Standby by utilizing EC
JP920190082-JP-NP	Japan	6/4/2021	6893965	Hinge structure for gradual bent display on sliding form factor
JP920190077-JP-NP	Japan	4/13/2021	6868068	Display Color space auto switcher
JP920200005-JP-NP	Japan	5/27/2021	6890702	Noise shield wall on the battery edge
JP920190013-JP-NP	Japan	4/13/2021	6868064	Flexible Hinge location and alignment to be invisible

PATENT
REEL: 060638 FRAME: 0170

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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 1st 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 April to June 2021) and sold, transferred, conveyed and assigned pursuant to this deed of transfer are (the "**Vested Future IP**"):

Case Reference	Country	Grant	Grant Number	Internal Title
RPS920190107-US-NP	United States	6/22/2021	11,042,727	Facial Recognition Using Time-Variant User Characteristics.
RPS920180075-US-NP	United States	5/4/2021	10,999,232	Adaptive Notification
RPS920200016-US-NP	United States	5/25/2021	11,019,185	Data Usage Negotiation.
RPS920180118-US-NP	United States	6/1/2021	11,023,769	MODIFYING AN IMAGE BASED ON IDENTIFYING A FEATURE
RPS920180119-US-NP	United States	4/6/2021	10,972,697	Projection System
RPS920180109-US-NP	United States	4/6/2021	10,972,605	Signature based Communication Authentication
RPS920180102-US-NP	United States	6/29/2021	11,048,782	User Identification Notification for Non-Personal Device
RPS920180040-US-NP	United States	6/29/2021	11,048,931	Recognition Based Handwriting Input Conversion
RPS920190202-US	United States	5/25/2021	11,016,529	Computing Device
RPS920170096-US-NP	United States	5/25/2021	11,016,575	INPUT TOOL
RPS920160068-US-NP	United States	6/8/2021	11,030,445	SORTING AND DISPLAYING DIGITAL NOTES ON A DIGITAL WHITEBOARD

Technical IP:

Case Reference	Country	Grant	Grant Number	Internal Title
RPS920190107-US-NP	United States	6/22/2021	11,042,727	Facial Recognition Using Time-Variant User Characteristics.
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RPS920190197-US-NP	United States	6/15/2021	11,036,375	Dynamic Zoom based on Media
JP920190036-US-NP	United States	4/27/2021	10,989,987	Electronic Apparatus
RPS920180011-US-NP	United States	4/6/2021	10,972,814	CONTEXT-BASED SENSOR DATA RECORDING
RPS920180019-US-NP	United States	4/6/2021	10,971,780	RELEASABLE BATTERY PACKAGE
JP920180051-US-NP	United States	4/6/2021	10,970,806	EXTERNAL GPU MANAGEMENT
JP920190014-US-NP	United States	6/22/2021	11,043,341	Keyboard baseplates including a concave Structure for housing a logic substrate
JP920180044-US-NP	United States	4/27/2021	10,990,128	Portable Information Apparatus having a display
JP920190059-US-NP	United States	5/4/2021	10,997,046	Integrity Check Staging
RPS920190169-US-NP	United States	6/29/2021	11,048,462	Associating a Selector with Plural Applications for Presenting the plural Applications on Respective plural monitors.
JP920190013-US-NP	United States	5/25/2021	11,016,530	Flexible Hinge location and alignment to be invisible
RPS920130150-US-NP	United States	5/4/2021	10,997,183	DETERMINING TRENDS FOR A USER USING CONTEXTUAL DATA
RPS920130259-US-NP	United States	5/18/2021	11,009,917	DEVICE WITH STAND
RPS920130207-US-NP	United States	5/18/2021	11,010,042	[PiMng] Discovery #5 - Dynamically sized widget (originally submitted by VANBLON, RUSSELL SPEIGHT (00506239)) == Display of Different Versions of User Interface Element
RPS920130155-US-NP	United States	6/29/2021	11,048,736	FILTERING SEARCH RESULTS USING SMART TAGS
JP920190114-US-NP	United States	5/18/2021	11,009,915	Wapage correctable rubber foot
RPS920190186-US-NP	United States	6/29/2021	11,049,511	Systems and Methods to Determine Whether to Unmute Microphone based on Camera input
JP920180094-US-NP	United States	4/27/2021	10,992,027	Stable antenna performance with space optimization
JP920180046-US-NP	United States	4/20/2021	10,983,573	Portable Information apparatus having a display
RPS920190060-US-NP	United States	5/25/2021	11,017,811	Playback speed optimization
RPS920190053-US-NP	United States	5/18/2021	11,007,445	Techniques for Curation of Video Game Clips
RPS920190050-US-NP	United States	5/11/2021	11,003,398	Printer System

Case Reference	Country	Grant	Grant Number	Internal Title
RPS920190085-US-NP	United States	5/4/2021	10,996,714	Slotted Base Display Device
JP920190027-US-NP	United States	6/8/2021	11,029,725	Folio slide mechanism for foldable device
JP920190041-US-NP	United States	4/6/2021	10,969,831	Screw hole reduction for three separated baseplate structure
RPS920190017-US-NP	United States	6/1/2021	11,023,006	Docking Support bar
RPS920190014-US-NP	United States	6/15/2021	11,036,260	Keyboard Attachment to foldable Device
RPS920190130-US-NP	United States	5/25/2021	11,019,440	Methods and Devices for managing transmission of synchronized audio based on user location
JP920200014-US-NP	United States	6/8/2021	11,029,723	Butterfly KBD - Open/Close by single hand mechanism
RPS920150165-US-NP-DIV2	United States	4/27/2021	10,992,150	SYSTEMS AND METHODS TO DETERMINE TIME AT WHICH BATTERY IS TO BE CHARGED
JP920180038-US-NP	United States	5/25/2021	11,017,492	Video Signal Switching for Use with an external graphics Processing Unit Device
RPS920180074-US-NP	United States	4/13/2021	10,975,207	Apparatus for Attaching Structures
RPS920180084-US-NP	United States	5/4/2021	10,996,924	DRAWING ATTENTION TO A GRAPHICAL ELEMENT ON A DISPLAY
RPS920180077-US-NP	United States	6/8/2021	11,030,882	Automated Security Subsystem Activation
RPS920200050-US-NP	United States	4/27/2021	10,992,903	Screen Positioning based on Dominant User Characteristic Determination.
RPS920180117-US-NP	United States	5/25/2021	11,017,044	APPARATUS, METHOD, AND PROGRAM PRODUCT FOR FILTERING SIMILAR CONTENT ITEMS
RPS920180111-US-NP	United States	4/27/2021	10,991,139	PRESENTATION OF GRAPHICAL OBJECT(S) ON DISPLAY TO AVOID OVERLAY ON ANOTHER ITEM
RPS920180057-US-NP	United States	5/25/2021	11,017,746	Auxiliary Display Scaling Factor
RPS920061060BR1	Brazil	4/13/2021	PI0801772	HYPERVISOR TO DO RENTAL PC
RPS920150032-CN-NP	China	4/27/2021	2016108330511	[PtMng] Better Tether #3 - Distributed Metering [orig. submitted by VANOVER, Michael T. (00505198)]
RPS920150171-CN-NP	China	4/27/2021	2017105421142	A method of activate/deactivate voice assistant function for battery saving through machine learning and presence detection
RPS920150142-CN-NP	China	4/27/2021	201611101407.9	Wearable device notifications settings based on if the device is being worn
RPS920130042-DE-NP	Germany	4/1/2021	102014106581	Dynamic Touch Screen Bezels == Einrichten eines Displays ausgehend von einem Abstandhalter eines Computergerätes
RPS920170101-GB-NP	Great Britain	5/12/2021	2572675	Most autonomous friendly route == Systems and Methods for Identifying first route to destination as involving less human driving of vehicle than second Route to Destination
RPS920160027-	Great Britain	5/12/2021	2563483	Method for warning about inactive wearable

Case Reference	Country	Grant	Grant Number	Internal Title
GB-NP				device
RPS920170115-GB-NP	Great Britain	5/26/2021	GB2573639	Method to display augmented reality message requiring minimal user response
RPS920170116-GB-NP	Great Britain	6/16/2021	2572678	Method to control augmented reality content == Augmented Reality Content Characteristic Adjustment.
JP920190124-JP-NP	Japan	6/14/2021	6898485	Bell-Shape folding display layer structure to control uniform bending curve
JP920190105-JP-NP	Japan	4/16/2021	6870063	Two color mold TrackPoint cap
JP920190111-JP-NP	Japan	4/14/2021	6868716	Backlight KBD
JP920190083-JP-NP	Japan	5/13/2021	6884189	Flat shutter frame for folding panel-2
JP920190011-JP-NP	Japan	4/9/2021	6866449	Interposer/Spacer/Stiffener for electronic components mounting
JP920190078-JP-NP	Japan	4/27/2021	6876113	Graceful Standby by utilizing EC
JP920190082-JP-NP	Japan	6/4/2021	6893965	Hinge structure for gradual bent display on sliding form factor
JP920190077-JP-NP	Japan	4/13/2021	6868068	Display Color space auto switcher
JP920200005-JP-NP	Japan	5/27/2021	6890702	Noise shield wall on the battery edge
JP920190013-JP-NP	Japan	4/13/2021	6868064	Flexible Hinge location and alignment to be invisible

Marketing Intangibles:

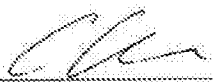
Trademark	Country	Filing Date	App. No.	Reg. Date	Reg. No.
SMARTER TECHNOLOGY FOR ALL	Mexico	11 Feb 2020	1521088	22 Jun 2021	1521088
THINKSHIELD	Bosnia & Herzegovina	04 Oct 2018	1431022	10 Jun 2021	1431022
THINKSMART	Brazil	22 Dec 2017	913951005	06 Apr 2021	913951005

- (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 85,133,852;

- (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.

Lenovo PC International Limited



By: Chen Lei
Title: Director
Date:
Place of execution: Singapore

By: Barry Au
Title: Director
Date:
Place of execution: Beijing

- (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.

Lenovo PC International Limited



By:
Title: Director
Date:
Place of execution:

By: Barry Au
Title: Director
Date:
Place of execution: Beijing

