

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5693504

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SYNAPTICS INCORPORATED	08/27/2019

RECEIVING PARTY DATA

Name:	WACOM CO., LTD.
Street Address:	2-510-1 TOYONODAI, KAZO-SHI
City:	SAITAMA
State/Country:	JAPAN
Postal Code:	349-1148

PROPERTY NUMBERS Total: 47

Property Type	Number
Patent Number:	7730401
Patent Number:	8402372
Patent Number:	8560947
Patent Number:	6904570
Application Number:	14061893
Patent Number:	7466307
Patent Number:	7502016
Patent Number:	7609253
Patent Number:	7710407
Patent Number:	8259076
Patent Number:	8669943
Patent Number:	8089470
Patent Number:	8139028
Patent Number:	7656392
Patent Number:	7825797
Patent Number:	7884807
Patent Number:	8446373
Patent Number:	8125469
Patent Number:	8330474
Patent Number:	8174504

PATENT

Property Type	Number
Patent Number:	8564555
Patent Number:	9052764
Patent Number:	9304619
Patent Number:	10254878
Patent Number:	9703411
Patent Number:	9417738
Patent Number:	9395824
Patent Number:	9244608
Patent Number:	9436325
Patent Number:	9740347
Patent Number:	9582092
Patent Number:	9582093
Patent Number:	9690397
Patent Number:	9304643
Patent Number:	9588629
Patent Number:	10180736
Patent Number:	9946391
Patent Number:	10088922
Patent Number:	9721365
Patent Number:	10175827
Patent Number:	9495052
Patent Number:	9977519
Application Number:	14675632
Patent Number:	9608613
Patent Number:	10037111
Patent Number:	9933867
Patent Number:	10055032

CORRESPONDENCE DATA

Fax Number: (206)682-6031

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: 2066224900

Email: danield@seedip.com

Correspondent Name: SEED IP LAW GROUP LLP

Address Line 1: 701 FIFTH AVENUE

Address Line 2: SUITE 5400

Address Line 4: SEATTLE, WASHINGTON 98104

ATTORNEY DOCKET NUMBER:	940131.001
--------------------------------	------------

NAME OF SUBMITTER:	SHOKO I. LEEK
SIGNATURE:	/Shoko Leek/
DATE SIGNED:	08/29/2019
Total Attachments: 7 source=Wacom-Synaptics_Fully Executed#page1.tif source=Wacom-Synaptics_Fully Executed#page2.tif source=Wacom-Synaptics_Fully Executed#page3.tif source=Wacom-Synaptics_Fully Executed#page4.tif source=Wacom-Synaptics_Fully Executed#page5.tif source=Wacom-Synaptics_Fully Executed#page6.tif source=Wacom-Synaptics_Fully Executed#page7.tif	

ASSIGNMENT

WHEREAS, Synaptics Incorporated (hereinafter referred to as ASSIGNOR), a corporation in the State of California having a place of business at 1251 McKay Drive, San Jose, California 95131, is the owner of record of the patents and applications listed on EXHIBIT A attached hereto (the "Patents");

WHEREAS, Wacom Co., Ltd. (hereinafter referred to as ASSIGNEE), a Japanese corporation having a place of business at 2-510-1 Toyonodai Kazo-Shi, Saitama, 349-1148, Japan, is desirous of acquiring the entire right, title and interest in and to said Patents;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE the entire right, title and interest in and to said patents including any extensions or adjustments in term thereof and in any and all divisions, reissues and continuations thereof, including the right to sue and collect damages for past and present infringement of said patents, said patents to be held and enjoyed by ASSIGNEE for its use and benefit and of its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR agrees to execute all instruments and documents required for litigation regarding said patents, or for the purpose of protecting title to said inventions or patents therefor.

27-AUG-2019

Date

[Signature]

(Assignor - Synaptics Incorporated)

John McFarland

State of California

County of _____

On _____, before me, _____,

(Here insert name and title of the officer)

personally appeared _____,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)

California Compliant
Notary Certificate
Attached

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Santa Clara)

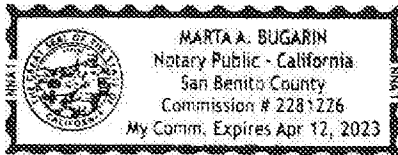
On Aug. 27, 2019 before me, Marta A. Bugarin, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared John McFarland
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Marta A. Bugarin
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Assignment Document Date: _____

Number of Pages: 2 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

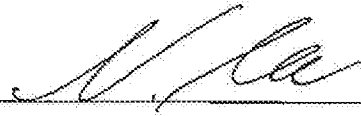
Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Wacom Co., Ltd.

2019 8/21

Date

 (Assignee)

(Signatory Signature)

Nobutaka Ide, CEO

(Assignee Signatory Name, Title)

{940131.001}

6930438_1.docx

EXHIBIT A**PATENTS**

Application No.	Issue / Pub. No.	Title
10/125066	US7730401B2	Touch screen with user interface enhancement
12/777895	US8402372B2	Touch screen with user interface enhancement
12/777898	US8560947B2	Touch screen with user interface enhancement
09/877411	US6904570B2	Method and apparatus for controlling a display of data on a display screen
14/061,893	Reissue application of 09/877411 above	Method and apparatus for controlling a display of data on a display screen
10/338765	US7466307B2	Closed-loop sensor on a solid-state object position detector
11/925513	US7502016B2	Closed-loop sensor on a solid-state object position detector
11/925517	US7609253B2	Closed-loop sensor on a solid-state object position detector
11/925503	US7710407B2	Closed-loop sensor on a solid-state object position detector
11/059059	US8259076B2	Closed-loop sensor on a solid-state object position detector
11/411351	US8669943B2	Closed-loop sensor on a solid-state object position detector
20100246303	JP5379777B2	オブジェクト位置検出機
09/176639	US8089470B1	Finger/stylus touch pad
11/613063	US8139028B2	Proximity sensor and method for indicating extended interface results
11/388586	US7656392B2	Touch sensor effective area enhancement
11/445875	US7825797B2	Proximity sensor device and method with adjustment selection tabs
11/748881	US7884807B2	Proximity sensor and method for indicating a display orientation change
12/247048	US8446373B2	Method and apparatus for extended adjustment based on relative positioning of multiple objects contemporaneously in a sensing region
12/106200	US8125469B2	Passive stylus for capacitive sensors
12/368692	US8330474B2	Sensor device and method with at surface object sensing and away from surface object sensing

4137-0454-8637

Application No.	Issue / Pub. No.	Title
12/391011	US8174504B2	Input device and method for adjusting a parameter of an electronic system
200980152829.0	CN102257468B	Input device and method for adjusting a parameter of an electronic system
20110532147	JP5561682B2	電子システムのパラメータを調節するための入力デバイス及び方法
10770378.7	EP2425322A2	CONTROL CIRCUITRY AND METHOD
12/770619	US8564555B2	Operating a touch screen control system according to a plurality of rule sets
201080019329.2	CN102414649B	Operating a touch screen control system according to a plurality of rule sets
14/050191	US9052764B2	Operating a touch screen control system according to a plurality of rule sets
14/298807	US9304619B2	Operating a touch screen control system according to a plurality of rule sets
14/968756	US10254878B2 (US20160098146A1)	OPERATING A TOUCH SCREEN CONTROL SYSTEM ACCORDING TO A PLURALITY OF RULE SETS
201080019231.7	CN102414653B	控制电路和方法
12/770415	US9703411B2	Reduction in latency between user input and visual feedback
10770371.2	EP2425319A2	OPERATING A TOUCH SCREEN CONTROL SYSTEM ACCORDING TO A PLURALITY OF RULE SETS
12/484042	US9417738B2	Untethered active pen and a method for communicating with a capacitive sensing device using the untethered active pen
14/320521	US9395824B2	Active pen with improved interference performance
201480069078.7	CN105814520A	Active pen with improved interference performance
14/092440	US9244608B2	Method and system for gesture identification
14/137463	US9436325B2	Active pen for matrix sensor
14/656624	US9740347B2	Active pen sensing for a display device having an integrated sensing device
201510411362.4	ZL201510411362.4 (CN105353897B)	Passive pen with ground mass state switch
14/581997	US9582092B2	System and method for using passive pen with ground mass state switch
14/582013	US9582093B2	Passive pen with ground mass state switch

4137-0454-8637

Application No.	Issue / Pub. No.	Title
201510259450.7	CN105094418A	System and method for detecting an active pen with a matrix sensor
14/584926	US9690397B2	System and method for detecting an active pen with a matrix sensor
14/313711	US9304643B2	Classifying input objects interacting with a capacitive button
201580034522.6	CN106471452A	Classifying input objects interacting with a capacitive button
14/946742	US9588629B2	Classifying input objects interacting with a capacitive button
201511035344.7	CN105786239A	Pen with inductor
14/675622	US10180736B2	Pen with inductor
201511035343.2	CN105786238A	Sensing objects using multiple transmitter frequencies
14/752666	US9946391B2	Sensing objects using multiple transmitter frequencies
14/752681	US10088922B2	Smart resonating pen
201610466994.5	CN106293145A	An intelligent resonance pen
201510892737.3	CN105700733A	low latency inking
14/675693	US9721365B2	Low latency modification of display frames
14/581683	US10175827B2	Detecting an active pen using a capacitive sensing device
14/577454	US9495052B2	Active input device support for a capacitive sensing device
201610227980.8	CN106055127A	Active pen with bidirectional communication
15/047773	US9977519B2	Active pen with bidirectional communication
14/675632	US20160291956A 1	ACTIVE PEN REPROGRAMMING
201610499485.2	CN106330137A	Efficient high voltage square wave generator
14/788677	US9608613B2	Efficient high voltage square wave generator
14/856142	US10037111B2	Single point charger
14/985046	US9933867B2	Active pen capacitive displacement gauge
15/087912	US10055032B2	Active pen signal detection

4137-0454-8637