

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Donald G. Dafoe	04/25/2018
Kenzo Nagai	04/25/2018
Qingcheng Zeng	04/28/2018
RECEIVING PARTY DATA	
Company Name:	Apple Inc.
Street Address:	One Apple Park Way
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15962133
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	1052749
NAME OF SUBMITTER:	Ms. Patricia Caldwell
SIGNATURE:	Ms. Patricia Caldwell
DATE SIGNED:	11/13/2024
Total Attachments: 4	
source=P33893US1 Assignment executed#page1.tiff	
source=P33893US1 Assignment executed#page2.tiff	
source=P33893US1 Assignment executed#page3.tiff	

ASSIGNMENT
(Patent Application)

JOINT

WHEREAS, Donald G. Dafoe, Qingcheng Zeng, and Kenzo Nagai, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CURRENT COLLECTOR SURFACE TREATMENT
Filing Date: April 25, 2018
Application No.: 15/962,133

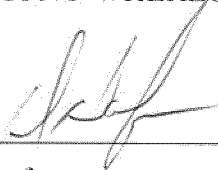
WHEREAS, APPLE INC., a corporation of the state of California, located at One Apple Park Way, Cupertino, CA 95014, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Signature: _____



Donald G. Dafoe

Date: _____

Apr 25, 2018

Signature: _____

Qingcheng Zeng

Date: _____

Signature:



Kenzo Nagai

Date:

04/25/2018

ASSIGNMENT
(Patent Application)

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Signature: _____
Donald G. Dafoe

Date: _____

Signature: Qingcheng Zeng
Qingcheng Zeng

Date: 4/28/2018

Signature: _____

Kenzo Nagai

Date: _____