

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEFFREY L. MATTLIN	12/13/2018
ABHIJEET MISRA	12/13/2018
HERNG-JENG JOU	12/13/2018
JAMES A. WRIGHT	04/05/2019
JAMES A. YURKO	12/13/2018
LEI GAO	12/19/2018
WEIMING HUANG	12/13/2018
WILLIAM A. COUNTS	12/13/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLE INC.
<b>Street Address:</b>	ONE APPLE PARK WAY
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16137434
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(714)830-0700
<i>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.</i>	
<b>Email:</b>	sara.mar@morganlewis.com
<b>Correspondent Name:</b>	MORGAN, LEWIS & BOCKIUS LLP
<b>Address Line 1:</b>	600 ANTON BOULEVARD
<b>Address Line 2:</b>	SUITE 1800
<b>Address Line 4:</b>	COSTA MESA, CALIFORNIA 92626-7653
<b>ATTORNEY DOCKET NUMBER:</b>	122202-5653 (P34588US1)
<b>NAME OF SUBMITTER:</b>	MARK J. ITRI, REG. NO. 36,171
<b>SIGNATURE:</b>	/Mark J. Itri/

<b>DATE SIGNED:</b>	04/23/2019
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**Total Attachments: 6**

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ASSIGNMENT


WHEREAS we, Jeffrey L. MATTLIN, Abhijeet MISRA, Heng-Jeng JOU, James A. WRIGHT, James A. YURKO, Weiming HUANG, Lei GAO, and William A. COUNTS, have made a certain new and useful invention as set forth in an application for United States Patent, entitled IMPROVED MOLD MATERIALS FOR FORMED CERAMIC, which was filed on September 20, 2018, and identified by United States Patent Application No. 16/137,434;

AND WHEREAS, APPLE INC., a corporation of California and having an address of One Apple Park Way, Cupertino, California 95014, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto Apple Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any non-provisionals, continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, non-provisional, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Apple Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

<u>12/13/18</u> Date	 Jeffrey L. MATTLIN
_____ Date	_____ Abhijeet MISRA
_____ Date	_____ Herng-Jeng JOU
_____ Date	_____ James A. WRIGHT
_____ Date	_____ James A. YURKO
_____ Date	_____ Lei GAO
_____ Date	_____ Weiming HUANG
_____ Date	_____ William A. COUNTS

Docket No. 122202-5653 (P34588US1)

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Apple Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

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Date Jeffrey L. MATTLIN

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Date Abhijeet MISRA

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Date Heng-Jeng JOU

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Date *4/5/2019*   
James A. WRIGHT

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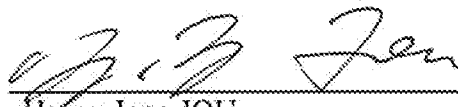
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12-13-2018 Date	 Weiming HUANG
Date	William A. COUNTS


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William A. COUNTS