

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4928538

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
APPLE INC.	11/09/2017
RECEIVING PARTY DATA	
Name:	XTALIC CORPORATION
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Postal Code:	01752
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15482678
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ATTORNEY DOCKET NUMBER:	P30392US1/25430US.1
NAME OF SUBMITTER:	WILLIAM C. CHENG
SIGNATURE:	/William C. Cheng/
DATE SIGNED:	04/23/2018
Total Attachments: 3	
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source=P30392US1_Corporate_Assignment_Signed#page3.tif	

ASSIGNMENT

This Patent Assignment is made by APPLE INC., a corporation organized and existing under the laws of the State of California, and having its principal place of business at One Infinite Loop, Cupertino, California 95014, USA ("Assignor"); and XTALIC CORPORATION, a corporation organized and existing under the laws of the State of Delaware, and having its principal place of business at 260 Cedar Hill Street, Marlborough, Massachusetts 01752, USA ("Assignee").

WHEREAS, Assignor does hereby assign, grant, transfer, contribute and deliver to Assignee the full, exclusive and entire right, title, and interest in and to (a) the patents and patent applications listed on Schedule A attached hereto, (b) any divisions, continuations, continuations-in-part, renewals and reissues thereof, (c) all inventions and improvements disclosed and described therein, (d) any corresponding (in whole or in part) future United States or non-United States patents and patent applications, (e) the right to claim any applicable priority rights arising from the scheduled patents or patent applications or otherwise required for said corresponding future United States or non-United States patents and patent applications under the terms of any applicable conventions, treaties, statutes, or regulations, and (f) the right to enforce and recover damages for infringement of any of the foregoing (collectively, the "Patent Rights"). Assignor hereby requests the Commissioner for Patents to issue any and all patents included in the Patent Rights to Assignee, as the assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

WHEREAS, APPLE INC. ("Assignor") now owns a right, title and interest in the Patent Applications listed on Schedule A.

WHEREAS, XTALIC CORPORATION ("Assignee") desires to acquire the entire right, title, and interest of Assignor in and to the invention(s), the Patent Rights, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign and transfer to the said Assignee, and said Assignee's legal representatives, successors and assigns, the entire right, title and interest in and to the invention(s), Patent Rights, and any and all Letters Patent to be obtained therefor;

UPON SAID CONSIDERATION, the Assignor hereby covenants and agrees with the said Assignee that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration, 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, provisionals, non-provisionals, continuations, continuations-in-part, continuing prosecutions, divisionals, renewals, reissues, reexamined or extended Letters Patent of the United States, or of any and all foreign countries, on said Patent Rights, and execute confirmatory assignments or acknowledgments of this assignment as necessary for full enjoyment of the Patent Rights and for recording in foreign patent offices, and in enforcing any rights or choses in action accruing as a result of such Patent Rights, by giving testimony in any proceedings or transactions involving such Patent Rights, 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 both parties;

UPON SAID CONSIDERATION, Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey any and all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party;

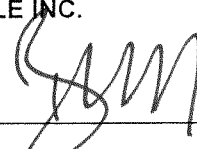
ASSIGNOR HEREBY AUTHORIZES said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of the Patent Application and otherwise take advantage of the provisions of any international conventions.

AND ASSIGNOR HEREBY AUTHORIZES and requests any official of any State (Country) whose duty consists of issuing patents, or other evidence or forms of any industrial property protection on any aforesaid application, to issue same to ASSIGNEE, its successors and assigns, in accordance herewith;

ASSIGNOR HEREBY AUTHORIZES Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number, filing date, and title of the Patent Application once known.

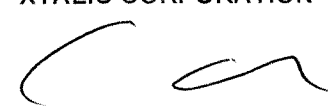
IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

APPLE INC.

Date Nov. 9 2017 By: 
Name: BJ Watrous
Title: Vice President & Chief IP Counsel

IN WITNESS WHEREOF, the Assignee hereunto has executed this Assignment upon the date indicated below.

XTALIC CORPORATION

Date 3/1/2018 By: 
Name: Alan C. Lund
Title: Founder & Chief Technology Officer

SCHEDULE A

<u>Client Ref.</u>	<u>Patent Application No.</u>	<u>Country</u>	<u>Title</u>	<u>Filing Date</u>
P30391USP1	62/357,700	US	NANOSTRUCTURED ALUMINUM ZIRCONIUM ALLOYS FOR IMPROVED ANODIZATION	July 1, 2016
P30391US1	15/482,675	US	NANOSTRUCTURED ALUMINUM ZIRCONIUM ALLOYS FOR IMPROVED ANODIZATION	April 7, 2017
P30392USP1	62/399,300	US	NANOSTRUCTURED ALUMINUM ALLOYS FOR IMPROVED HARDNESS	September 23, 2016
P30392US1	15/482,678	US	NANOSTRUCTURED ALUMINUM ALLOYS FOR IMPROVED HARDNESS	April 7, 2017