

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6302653

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIAPING HU	08/26/2020
CRAIG B. BYINGTON	08/26/2020
RECEIVING PARTY DATA	
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:	17003772
CORRESPONDENCE DATA	
Fax Number:	(650)938-5200
<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>	
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Correspondent Name:	JORGE A. KINA
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Address Line 4:	MOUNTAIN VIEW, CALIFORNIA 95033
ATTORNEY DOCKET NUMBER:	32685-46375/US
NAME OF SUBMITTER:	JORGE A. KINA, REG. 74,241
SIGNATURE:	/Jorge Kina/
DATE SIGNED:	09/16/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
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COMBINED DECLARATION AND ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Apple Inc.**, a California Corporation, having a place of business at One Apple Park Way, Cupertino CA 95014 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application(s), including those filed under 35 U.S.C. § 111, design applications filed under 35 U.S.C. § 171, Registered Community Designs, international applications filed according to the Patent Cooperation Treaty (PCT), U.S. national phase applications filed under 35 U.S.C. § 371, national or regional applications filed in any other country throughout the world, and any patents issuing thereon ("PATENT RIGHTS"):

- U.S. Application No. 17/003,772, entitled "**Cross-Phase Detector Based Phase Interpolator**", filed on August 26, 2020.

2. The entire worldwide right, title, and interest in and to:
(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not

Title:	Cross-Phase Detector Based Phase Interpolator		
Filed:	August 26, 2020	Attorney Docket #:	32685-46375/US
Application #:	17/003,772	Client Ref #:	P42765US1

hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

DECLARATION

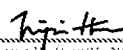
By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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Date: 26-Aug-2020
(Required)

/  /
Signing on Aug 26, 2020 10:27 PDT
Jiaping Hu

Date: 26-Aug-2020
(Required)

/  /
Craig B. Byington