

PATENT ASSIGNMENT COVER SHEET

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| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | GORDON RAYMOND CHIU | 05/29/2015 |
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| State/Country: | CALIFORNIA | |
| Postal Code: | 95134 | |
| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 14726237 | |
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| DATE SIGNED: | 05/29/2015 | |
| Total Attachments: 3 | | |
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A S S I G N M E N T

WHEREAS, I, Gordon Raymond Chiu, residing in North York, Ontario, Canada, have made an invention entitled:

METHODS AND APPARATUS FOR PROBING SIGNALS FROM A CIRCUIT
AFTER REGISTER RETIMING

and

(1) am about to make an application for United States Letters Patent therefor, the same having been executed by me on even date herewith

OR

(2) have made an application for United States Letters Patent therefor, the same having been filed on () under Application No. (), in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 45851 to insert within the foregoing parentheses the filing date and Application No. of said application when known; and

WHEREAS, ALTERA CORPORATION, a corporation organized and existing under the laws of the State of California and having an address of 101 Innovation Drive, San Jose, California 95134, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto the said ALTERA CORPORATION, its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and I hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said ALTERA CORPORATION as the assignee of the entire interest therein; and I further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, I have hereunto signed my
name on the date indicated hereinafter.

May 29, 2015

Date



Gordon Raymond Chiu