08-27-	2004
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	s: Please record the attached original documents or copy thereof.
Name of conveying party(ies): Ramanand Venkata and Chong H. Lee	2. Name and address of receiving party(ies) Name: Altera Corporation Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other	Street Address: 101 Innovation Drive
Execution Date: 8/2/04 and 8/10/04	City:San Jose State:CA Zip: 95134 Additional name(s) & address(es) attached? ☐ Yes ☒ No
If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers a	on, the execution date of the application is: 8/2/04 and8/10/0 B. Patent No.(s) attached? ☐ Yes ☒ No
5. Name and address of party to whom correspondence	
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9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. Robert R. Jackson (Reg. No. 26,183) Name of Person Signing	information is true and correct and any attached copy August 20, 2004 Signature Date

Mail documents to be recorded with required cover sheet information to:
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ASSIGNMENT

WHEREAS, we,

- (1) Ramanand Venkata; and
- (2) Chong H. Lee

residing, respectively, at

- (1) 1260 Garbo Way #3, San Jose, CA 95117; and
- (2) 116 Palmer Street, San Ramon, CA 94583,

have made an invention entitled:

DIGITAL PHASE LOCKED LOOP CIRCUITRY AND METHODS and are about to make application for United States Letters Patent therefor, the same having been executed by us on even dates herewith; and

WHEREAS, Altera Corporation, a corporation organized and existing under the laws of <u>Delaware</u> and having an office and place of business at <u>101 Innovation Drive</u>, San Jose, CA 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) to us paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we 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

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said invention and any improvements thereon for all countries of the world, and in and to said application, including any continuations and divisions thereof, and any substitute applications therefor, 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 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 we 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 we 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 otherwise to give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names at San Jose, California, on the dates indicated hereinafter:

8/2/04	V.5. Ramans
Date	(1) Ramanand Venkata
8/10/04	thought
Daté	(2) Chong H. Lee

RECORDED: 08/20/2004