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COVER SHEET

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Attorney Docket Number
060889-0107Mail Stop Assignment Recordation Services
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Please record the attached original documents or copy thereof.

16834 U.S. PTO
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052704

1. Name of conveying party(ies):

Andy L. Lee

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: May 20, 2004

2. Name and address of receiving party(ies):

Name: Altera CorporationAddress: 101 Innovation Drive
San Jose, CA 95134

Country (if other than USA):

4. Application number(s) or patent number(s):

10 85 7221

If this document is being filed together with a new application, the execution date of the application is: May 20, 2004

A. Patent Application No.(s) -

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:MORGAN, LEWIS & BOCKIUS LLP
3300 Hillview Avenue
Palo Alto, California 943046. Number of applications
and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00
Please charge to the deposit account listed in Section 8.

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50-0310

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Francis E. Morris

24,615

Name of Person Signing

Reg. No.

Signature

Date

Francis E. Morris May 27, 2004

Total number of pages including cover sheet:

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I-IPA: 509577.1

PATENT
REEL: 015489 FRAME: 0048

ASSIGNMENT

WHEREAS, I, ANDY L. LEE, a citizen of the United States, residing at 6936 Rainbow Drive, San Jose, CA 95129, am the inventor of the invention in *Memory Interface Phase-Shift Circuitry to Support Multiple Frequency Ranges* which I have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
- ☒ which is identified by Morgan, Lewis & Bockius LLP docket no. 60889-0107
- ☐ which was filed on , Application No.
- ☐ I hereby authorize and request my attorney, , of Morgan, Lewis & Bockius, LLP, to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, ALTERA CORPORATION, ASSIGNEE is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature.

Date 5/20/04, 2004

Andy L. Lee L.S.
Andy L. Lee