



ASSIGNM

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7-17-06

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

- 1. Name of conveying party:
  - a) Wilson Wong    b) Rakesh H. Patel    c) Sergey Shumarayev
- 2. Name and address of receiving party:
  - a) Name: Altera Corporation
  - b) Address: 101 Innovation Drive, San Jose, CA 95134

- 3. Nature of conveyance
 

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	<input type="checkbox"/> License Agreement

Execution Date: a) June 30, 2006    b) June 29, 2006    c) July 7, 2006

4. Application Number: 11456484

The title of the new application is: PHASE LOCK LOOP AND METHOD FOR OPERATING THE SAME

5. Please send all correspondence concerning this document to:

Kenneth D. Wright  
 MARTINE PENILLA & GENCARELLA, LLP  
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 Sunnyvale, CA 94085  
 Tel. No. (408) 774-6914  
 Fax No.: (408) 749-6901  
 Customer No. 45640

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 PATENT DEPARTMENT


6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Any deficiency is authorized to be charged to Deposit Account No. 50-0805 (Order No. ALTEP109)

8. 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.

Date: July 12, 2006

  
 \_\_\_\_\_  
 Kenneth D. Wright  
 Registration No. 53, 795

07/18/2006 DBYRNE 00000224 11456484  
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**ASSIGNMENT OF PATENT APPLICATION**  
(Accompanying Application)

Whereas I the undersigned inventor have invented certain new and useful improvements as set forth in the patent application entitled:

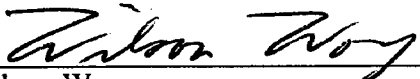
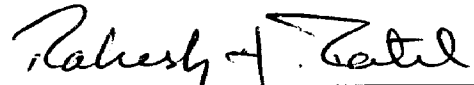
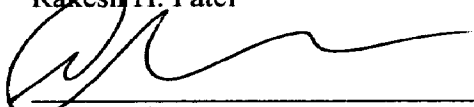
**PHASE LOCK LOOP AND METHOD FOR OPERATING THE SAME**

(Atty. Docket No. ALTEP109/A2259) for which I have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor hereby:

- 1) Sells, assigns and transfers to Altera Corporation a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, CA 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorizes and requests the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any divisions, continuations, substitutes or reissues thereof to the ASSIGNEE.
- 3) Agrees to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agrees that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrants and represents that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

- 1) Signature:  Date: 6/30/06  
Typed Name: Wilson Wong
- 2) Signature:  Date: 6.29.06  
Typed Name: Rakesh H. Patel
- 3) Signature:  Date: 07/07/06  
Typed Name: Sergey Shumarayev

Attorney Docket No. ALTEP109 /A2259