

12-18-2002

DEPARTMENT OF COMMERCE

RECORDED



ET

Patent and Trademark Office

102315560

Docket No. 19535-7231

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Cho Woo Moon**  
**Harish Kriplani**  
**Krishna Prasad Belkhale**

Individual(s)       Association  
 General Partnership       Limited Partnership  
 Corporation-State       Other

12/06/02

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

Name: **Cadence Design Systems, Inc.**  
Address: **2655 Seely Avenue**  
City: **San Jose**      State: **CA**  
Zip Code: **95134**

J1050 U.S. PTO  
10/313774  
12/06/02

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

3. Nature of conveyance:

Assignment       Merger  
 Security Agreement       Change of Name  
 Other:

Execution Dates: All executed December 5, 2002

Additional name(s) & address(es) attached?  Yes  No

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

If this document is being filed with a new application, the execution date of the application is: December 6, 2002

A. Patent Application No.(s):      B. Patent No.(s):

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Peter C. Mei  
Bingham McCutchen LLP  
Three Embarcadero, Suite 1800  
San Francisco, CA 94111-4067

6. Total number of applications and patents involved: **1**

7. Total fee (37 C.F.R. § 3.41): \$40.00

Enclosed  
 Authorized to be charged to deposit account no. **502518**, referencing Attorney Docket No. **19535-7231**

8. Deposit account number: **502518**

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 502518

DO NOT USE THIS SPACE

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.

Name: Peter C. Mei      Registration No. 39,768      Signature:      Date: 12-6-02

Total number of pages comprising cover sheet, attachments and document: 11

Mail documents to be recorded with required cover sheet information to:  
U.S. Patent and Trademark Office  
Office of Public Records  
Box Assignments  
Crystal Gateway 4, Room 335  
Washington, D.C. 20231

12/17/2002 JJALLAW2 00000040 502518 10313774  
01 FC:8021 40.00 CH

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, **CHO WOO MOON**, a citizen of the United States of America, **HARISH KRIPLANI**, a citizen of the United States of America, and **KRISHNA PRASAD BELKHALE**, a citizen of United States of America (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **TIMING MODEL EXTRACTION BY TIMING GRAPH REDUCTION** for which application for Letters Patent of the United States of America has been executed on even date herewith; and

WHEREAS, **CADENCE DESIGN SYSTEMS, INC.**, a corporation organized and existing under and by virtue of the laws of the state of **DELAWARE** and having its place of business at **2655 Seely Avenue, San Jose, California 95134** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefore in the United States of America, its territorial possessions and in any and all countries foreign thereto.

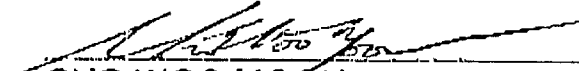
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the

same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademark and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Agreement.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign county, which may be necessary or desirable to carry out the purpose thereof.

WITNESS my hand at San Diego, California  
this 5th day of December, 2002.

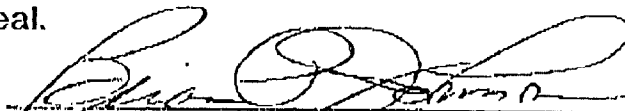
  
CHO WOO MOON

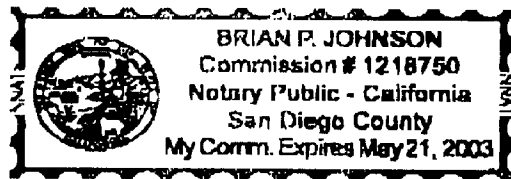
STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO ) ss

On 5 Dec 2002 before me, BRIAN P. JOHNSON, personally  
appeared Cho Woo Moon

personally known to me – **OR** -  proved to me on the basis of satisfactory  
evidence to be the person(s) whose name(s) is/are subscribed to the within instrument  
and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or  
the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

  
Notary Public in and for said County and State



ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, **CHO WOO MOON**, a citizen of the United States of America, **HARISH KRIPLANI**, a citizen of the United States of America, and **KRISHNA PRASAD BELKHALE**, a citizen of United States of America (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **TIMING MODEL EXTRACTION BY TIMING GRAPH REDUCTION** for which application for Letters

Patent of the United States of America has been executed on even date herewith; and

WHEREAS, **CADENCE DESIGN SYSTEMS, INC.**, a corporation organized and existing under and by virtue of the laws of the state of **DELAWARE** and having its place of business at **2655 Seely Avenue, San Jose, California 95134** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefore in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the

same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademark and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Agreement.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign county, which may be necessary or desirable to carry out the purpose thereof.

