


SYM:klp 10/20/04 319962.doc

Atty. Ref. No. 1011-68702-01

<b>RECORDATION FORM COVER SHEET - PATENTS ONLY</b> VIA FACSIMILE (703) 306-5995 DIRECTOR OF PATENTS AND TRADEMARKS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450		
1. Total number of pages including cover sheet, attachments and document: 7		
2. Name of Conveying Party(ies) and Execution Date(s) of Document(s) <input type="checkbox"/> Check here if additional name(s) attached Name(s): Rajat Moona and Russell Alan Klein Execution Date(s): Rajat Moona (July 20, 2004) and Russell Alan Klein (10/18/04)		
3. Name and address of receiving party <input type="checkbox"/> Check here if additional name(s) & address(es) are attached Name Mentor Graphics Corporation Address 8005 SW Boeckman Road City Wilsonville State/Country OR Zip 97070-7777		
4. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Name Change <input type="checkbox"/> Other:		
5. Total number of applications and patents involved: one (1)		
6. Total Fee Enclosed (37 C.F.R. § 3.41): \$0.00		
7. <input checked="" type="checkbox"/> Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550		
8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent. A. <input type="checkbox"/> This document is being filed with a new application. Execution date is: _____ B. <input checked="" type="checkbox"/> Patent Application No.(s) or Patent No.(s): <u>10/896,431</u> <input type="checkbox"/> Check here if additional numbers are attached		
9. Correspondent's name, address, and telephone number David P. Petersen Klarquist Sparkman, LLP One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, Oregon 97204-2988 Telephone: 503-595-5300 Facsimile: 503-228-9446		
10. <input type="checkbox"/> Please return the attached postcard to confirm that these items have been received.		
11. Statement and signature <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div>             David P. Petersen              Name of Person Signing           </div> <div style="text-align: center;">               Signature           </div> <div>             October 20, 2004              Date           </div> </div>		

CH \$40.00 024550 10896431

cc: Accounting (only if via fax)  
 Docketing

700124684

**PATENT**  
 REEL: 015269 FRAME: 0800

EXPRESS MAIL LABEL NO.: EV352376869US  
DATE OF DEPOSIT: July 21, 2004

SYM:klp 07/20/04 1011-68702-01 Assignment for COMPILING MEMORY DEREFERENCING INSTRUCTIONS FROM SOFTWARE TO HARDWARE IN AN ELECTRONIC DESIGN - Our Ref. No. 1011-68702; Mentor Ref. no. (Not yet assigned)

### ASSIGNMENT

WHEREAS, we, Rajat Moona, of Kanpur, India, and Russell Alan Klein, of West Linn, County of Clackamas, State of Oregon, have invented a certain invention, entitled COMPILING MEMORY DEREFERENCING INSTRUCTIONS FROM SOFTWARE TO HARDWARE IN AN ELECTRONIC DESIGN, for which we are making application for letters of patent of the United States, said application having been filed herewith, and

WHEREAS, Mentor Graphics Corporation, a corporation organized under the laws of the State of Oregon, having a place of business at 8005 SW Boeckman Road, Wilsonville, Oregon 97070-7777, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Rajat Moona and Russell Alan Klein, hereby sell, assign and transfer to Mentor Graphics Corporation, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Mentor Graphics Corporation, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Mentor

EXPRESS MAIL L NO.:EV352376869US

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Graphics Corporation, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Mentor Graphics Corporation, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

Rajam  
Rajat Moona

At Hyderabad - India

on this 20 day of July, 2004.

Witness:

This 20 day of July, 2004, before me personally came the above-named Rajat Moona, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

M. Srinivas  
Witness: SRINIVAS MANDAVILLI

EXPRESS MAIL, L. NO.:EV352376869US

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Russell Alan Klein

At \_\_\_\_\_  
(City and State)  
on this \_\_\_\_ day of \_\_\_\_\_, 2004.

STATE OF OREGON                    )  
  )  
COUNTY OF \_\_\_\_\_ )      ss.

This \_\_\_\_ day of \_\_\_\_\_, 2004, before me personally came the above-named  
Russell Alan Klein, who executed the foregoing instrument in my presence, and who  
acknowledged to me that he executed the same of his own free will for the purposes set forth  
therein.

\_\_\_\_\_  
Notary Public For Oregon  
My commission expires:

[SEAL]

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## ASSIGNMENT

WHEREAS, we, Rajat Moona, of Kanpur, India, and Russell Alan Klein, of West Linn, County of Clackamas, State of Oregon, have invented a certain invention, entitled COMPILING MEMORY DEREFERENCING INSTRUCTIONS FROM SOFTWARE TO HARDWARE IN AN ELECTRONIC DESIGN, for which we are making application for letters of patent of the United States, said application having been filed on July 21, 2004 and having been assigned an Application Serial No. 10/896,431, and

WHEREAS, Mentor Graphics Corporation, a corporation organized under the laws of the State of Oregon, having a place of business at 8005 SW Boeckman Road, Wilsonville, Oregon 97070-7777, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Rajat Moona and Russell Alan Klein, hereby sell, assign and transfer to Mentor Graphics Corporation, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Mentor Graphics Corporation, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and

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covenant that we have full right so to do, and agree that we will communicate to Mentor Graphics Corporation, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Mentor Graphics Corporation, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

\_\_\_\_\_  
Rajat Moona

At \_\_\_\_\_

on this \_\_\_\_ day of \_\_\_\_\_, 2004.

Witness:

This \_\_\_\_ day of \_\_\_\_\_, 2004, before me personally came the above-named Rajat Moona, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

\_\_\_\_\_  
Witness:

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Russell Alan Klein

Russell Alan Klein

At Wilsonville Oregon

(City and State)

on this 18<sup>th</sup> day of October, 2004.

Witness:

This 18<sup>th</sup> day of October, 2004, before me personally came the above-named Russell Alan Klein, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Shethan Weiss Ransom

Witness: