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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101017414

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

1. Name of conveying party(ies):  
**C.K. Cheng So-Zen Yao**

2. Name and address of receiving party(ies):  
Name: **Mentor Graphics Corporation**

Internal Address:

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

Street Address: **8005 S.W. Boeckman Road**

City **Wilsonville** State **OR** ZIP **97070-7**

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: **4/7/99**

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

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

**April 7, 1999**

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

A. Patent Application No.(s)

B. Patent No.(s)

**09/290013**

Additional numbers attached?  Yes  No

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

Name: **Blakely, Sokoloff, Taylor & Zafman, LLP**

Internal Address:

Street Address: **12400 Wilshire Blvd.**

**7th Floor**

City: **Los Angeles** State: **CA** ZIP: **90025**

6. Total number of applications and patents involved:

**1**

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

**02-2666**

(Attach duplicate copy of this page if paying by deposit account)

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.

**Aloysius T. C. AuYeung (Reg. No. 35,432)**

*Aloysius T. C. AuYeung*

**4/8/99**

Name of Person Signing

Signature

Date

Total number of pages comprising cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:  
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Trans express mail no. **EL034431469US**

Attorney Docket No. **PATENT 99282.P067**

**REEL: 9892 FRAME: 0836**

04/19/1999 09:29:013  
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40.00 DP  
03 FC:581

No.: 02282.P067 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We,  
 the undersigned, C.K. Cheng and So-Zen Yao

hereby sell, assign, and transfer to Mentor Graphics Corporation  
 a corporation of Oregon, having a principal place of business at  
8005 S.W. Boeckman Road, Wilsonville, Oregon 97070-7777, ("Assignee"),  
 and its successors, assigns, and legal representatives, the entire right, title, and interest for the  
 United States and all foreign countries, in and to any and all improvements that are disclosed in  
 the application for the United States patent that has been executed by the undersigned prior  
 hereto or concurrently herewith on the dates indicated below and is entitled

**Interconnect Delay Driven Placement And Routing Of An Integrated Circuit Design**



and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property

herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

_____ , 19____	
Date	Name: C.K. Cheng
_____ , 19____	
Date	Name: Se-Zen Yao
_____ , 19____	_____
Date	Name:
_____ , 19____	_____
Date	Name:
_____ , 19____	_____
Date	Name:
_____ , 19____	_____
Date	Name:

**Each Inventor:  
Please also list the  
date that you signed  
the accompanying  
DECLARATION AND  
POWER OF  
ATTORNEY:**

APRIL 7 , 1999
Date
APRIL 7 , 1999
Date
_____ , 19____
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