

06-07-2005

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To the Honorable Commissioner of Patents



103016098

attached original documents or copy thereof.

113262 U.S. PTO  
11/140678

1. Name of conveying party:

Tai An Ly  
Ka Kei Kwok  
Vijaya Vardhan Gupta  
Lawrence Curtis Widdoes, Jr.

2. Name and address of receiving party(ies)

Name: Mentor Graphics Corporation

Internal Address:

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

Street Address: 8005 SW Boeckman Road

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

City: Wilsonville State: OR Zip: 97070-7777

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date(s): 05-25-05, 05-25-05, 05-25-05, and 05-25-05, respectively.

06/02/2005 STEUMEL1 00000037 11140678

06 FC:8021

40.00 DP

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

If this document is being filed together with a new application, the execution data of the application is: 05-25-05, 05-25-05, 05-25-05, and 05-25-05, respectively.

**METASTABILITY EFFECTS SIMULATION FOR A CIRCUIT DESCRIPTION**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Craig E. Shinnars, Esq.

Internal Address: CARPENTER & KULAS, L.L.P.

Street Address: 1900 Embarcadero Road, Suite 109

City: Palo Alto State: CA Zip: 94303-3310

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:

503000

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

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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.

Craig E. Shinnars, Reg. 33,281

Name of Person Signing

Signature

May 27, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services, Director - U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PATENT**  
**REEL: 016642 FRAME: 0535**

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Mentor Graphics Corporation**, having a place of business at 8005 SW Boeckman Road, Wilsonville, Oregon 97070-7777, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **METASTABILITY EFFECTS SIMULATION FOR A CIRCUIT DESCRIPTION**.

("APPLICATION"), which:

- ☒ is to be filed herewith  
☐ was filed on \_\_\_\_\_,  
now bearing U.S. Serial Number \_\_\_\_\_; and

2. The entire worldwide right, title, and interest in and to:

(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), (c) and (d) above; and (e) all right of priority in the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney(s) of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Title of Document: ASSIGNMENT

Inventors: Tai An Ly, et al.

Title: Metastability Effects Simulation For A Circuit Description

Filed: (if applicable) Herewith

Atty. Docket No.: 100122-000810US

Serial No.: (if applicable)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Tai An Ly</u> Tai An Ly	<u>5/25</u> , 2005	<u>5/25</u> , 2005

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Ka Kei Kwok</u>	<u>      </u> , 2005	<u>      </u> , 2005

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Executed By This Person</u>
<u>Vijaya Vardhan Gupta</u>	<u>      </u> , 2005	<u>      </u> , 2005

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Lawrence Curtis Widdoes, Jr.</u>	<u>      </u> , 2005	<u>      </u> , 2005

PATENT

Title of Document: **ASSIGNMENT**

Inventors: Tai An Ly, et al.

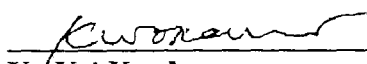
Title: **Metastability Effects Simulation For A Circuit Descripti9on**

Filed: (if applicable) **Herewith**

Atty. Docket No.: **100122-000810US**

Serial No.: (if applicable)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
Tai An Ly	_____, 2005	_____, 2005

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
 Ka Kel Kwok	May 25, 2005	May 25, 2005

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
Vijaya Vardhan Gupta	_____, 2005	_____, 2005

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
Lawrence Curtis Widdoes, Jr.	_____, 2005	_____, 2005

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<u>Tai An Ly</u>	<u>, 2005</u>	<u>, 2005</u>

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<u>Ka Kei Kwok</u>	<u>, 2005</u>	<u>, 2005</u>

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Executed By This Person</u>
<u>Vijaya Vardhan Gupta</u>	<u>5 / 25 / , 2005</u>	<u>5 / 25 / , 2005</u>

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Lawrence Curtis Widdoes, Jr.</u>	<u>, 2005</u>	<u>, 2005</u>

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<u>Ka Kei Kwok</u>	<u>, 2005</u>	<u>, 2005</u>

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Executed By This Person</u>
<u>Vijaya Vardhan Gupta</u>	<u>, 2005</u>	<u>, 2005</u>

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Lawrence Curtis Widdoes, Jr.</u>	<u>MAY 25, 2005</u>	<u>MAY 25, 2005</u>