Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ruifeng Guo	02/28/2008
Yu Huang	02/28/2008
Wu-Tung Cheng	02/28/2008

RECEIVING PARTY DATA

Name:	Mentor Graphics Corporation
Street Address:	8005 SW Boeckman Road
City:	Wilsonville
State/Country:	OREGON
Postal Code:	97070-7777

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	12074162
Application Number:	60905014
Application Number:	60981406

CORRESPONDENCE DATA

Fax Number: (503)595-5301

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (503) 595-5300

Email: iris.rasanen@klarquist.com

Correspondent Name: Patrick M. Bible

Address Line 1: 121 SW Salmon Street

Address Line 2: Suite 1600

Address Line 4: Portland, OREGON 97204

ATTORNEY DOCKET NUMBER:	1011-78010-03
NAME OF SUBMITTER:	Patrick M. Bible

500496273 REEL: 020699 FRAME: 0831

120/4162

PATENT

Total Attachments: 6

source=1011-78010-03 - Assignment#page1.tif

source=1011-78010-03 - Assignment#page2.tif

source=1011-78010-03 - Assignment#page3.tif

source=1011-78010-03 - Assignment#page4.tif

source=1011-78010-03 - Assignment#page5.tif

source=1011-78010-03 - Assignment#page6.tif

PATENT REEL: 020699 FRAME: 0832

ASSIGNMENT

WHEREAS, we, Ruifeng Guo, of 12504 NW Forest Spring Lane, Portland, OR 97229; Yu Huang, of 36 Crescent Lane, Sudbury, MA 01776; and Wu-Tung Cheng, of 19030 SW 35th Place, Lake Oswego, OR 97034, have invented certain inventions as described in the following patent applications:

- (1) U.S. Provisional Patent Application No. 60/905,014, filed on March 4, 2007, entitled "Generating Test Sets for Diagnosing Scan Chain Failures,"
- (2) U.S. Provisional Patent Application No. 60/981,406, filed on October 19, 2007, entitled "Generating Test Sets for Diagnosing Scan Chain Failures," and
- (3) U.S. Patent Application No. <u>12/074,162</u>, filed on <u>February 29</u>, 2008, entitled "Generating Test Sets for Diagnosing Scan Chain Failures,"

all of which applications are collectively referred to as "the patent applications."

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, Ruifeng Guo, Yu Huang, and Wu-Tung Cheng, hereby sell, assign, and transfer to Mentor Graphics Corporation, the full and exclusive right, title, and interest in and to said inventions, patent applications, and patent rights throughout the world, including foreign and U.S. patent priority rights (including, but not limited to, the right to claim priority to U.S. Provisional Patent Application Nos. 60/905,014 and 60/981,406), 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 inventions, applications, 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

Page 1 of 3

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 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 inventions 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 which 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 Wilsonville, OR, this 28thday of February, 2008.

(City, State)

Ruifeng Guo

In the presence of:

Executed at(City, State)	, this day of	, 2008.
(City, State)		
	Yu Huang	
In the presence of:		
Witnessed by		
Name (print)		
Timile (Print)		
Date		
Executed at Sonville, O (City, State)	<i>J</i>	February, 2008.
	Wu-Tung Cheng	
In the presence of: Witnessed by		
GREG ALDRICH Name (print)		
2 - 28 - 2008 Date		

ASSIGNMENT

WHEREAS, we, Ruifeng Guo, of 12504 NW Forest Spring Lane, Portland, OR 97229; Yu Huang, of 36 Crescent Lane, Sudbury, MA 01776; and Wu-Tung Cheng, of 19030 SW 35th Place, Lake Oswego, OR 97034, have invented certain inventions as described in the following patent applications:

- (1) U.S. Provisional Patent Application No. 60/905,014, filed on March 4, 2007, entitled "Generating Test Sets for Diagnosing Scan Chain Failures,"
- (2) U.S. Provisional Patent Application No. 60/981,406, filed on October 19, 2007, entitled "Generating Test Sets for Diagnosing Scan Chain Failures," and
- (3) U.S. Patent Application No. <u>12/074,162</u>, filed on <u>February 29</u>, 2008, entitled "Generating Test Sets for Diagnosing Scan Chain Failures,"

all of which applications are collectively referred to as "the patent applications."

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, Ruifeng Guo, Yu Huang, and Wu-Tung Cheng, hereby sell, assign, and transfer to Mentor Graphics Corporation, the full and exclusive right, title, and interest in and to said inventions, patent applications, and patent rights throughout the world, including foreign and U.S. patent priority rights (including, but not limited to, the right to claim priority to U.S. Provisional Patent Application Nos. 60/905,014 and 60/981,406), 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 inventions, applications, 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

Page 1 of 3

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 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 inventions 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 which 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		, this	day of	, 2008.
	(City, State)			
		Ruifeng	g Guo	
In the presence of:				
Witnessed by				
Name (print)				
Date				

Executed at May bon, M), this 28 day of <i>Feb</i>	_, 2008.
	Yu Huang Yu Huang	
In the presence of:		
Witnessed by		
SANJAY CHATTEROUS Name (print)		
02/28/08 Date		
•		
Executed at(City, State)	, this day of	_, 2008.
	Wu-Tung Cheng	
In the presence of:		
Witnessed by		
Name (print)		
Date		

Page 3 of 3