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Form PTO-1592 (modified) 1027779 To the Honorable Commissioner of Patents and Trademarks: Ple	Attorney Docket No. 003921.00184 ase record and ached original documents or copies thereof:
1. Name of Conveying Party or Parties:	2. Name and address of receiving party or parties: O
Vladimir V. PETUNIN Charles L. PFEIL Venkat NATARAJAN Edwin Franklin SMITH	Mentor Graphics Corporation 8005 SW Boeckman Drive Wilsonville OR 97070-7777
Additional Names of conveying party or parties attached?	Additional Name(s) and address(es) attached? Yes X No
3. Nature of Conveyance: Assignment Merger Security Agreement Change of Name Other	6-18-04
4. Application Number(s) or Patent Number(s):	, P
If this document is being filed together with a new application, the	execution date of the application is: <u>June 15, 2004, June 16,</u> 2004, June 15, 2004, and June 14, 2004, respectively (signed June 18, 2004 by 5 th inventor)
A. Patent Application Number(s):	B. Patent Number(s):
Additional Patents and applications listed on Schedule A attached? Yes No	10870077
 5. Name and address of party to whom correspondence concerning the document should be mailed: Banner & Witcoff, Ltd. 1001 G Street, N.W., 11th Floor Washington, D. C. 20001 	 6. Total Number of Applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40 Enclosed Authorized to be charged to deposit account Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment 8. Deposit Account No.: 19-0733 (in the event additional fees are required) (Duplicate copy of this page attached if paying by deposit account)
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H. Wayne Porter, Reg. No. 42,084 Name of Person Signing Total Number of Pages comprising	nation is true and correct and any attached copy is a true copy of
2004 NGETACHE 00000002 190733 10870072 8021 40.00 DA	

PATENT REEL: 015493 FRAME: 0191

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ASSIGNMENT

WHEREAS, We,

Vladimir V. Petunin of 1429 Venice Lane, Longmont, Colorado 80503, USA, Charles L. Pfeil of 1153 Harper Lake Drive, Louisville, Colorado 80027, USA, Venkat Natarajan of 1279 Ptarmigan Court, Lafayette, CO 80026, and Edwin Franklin Smith of 1160 Bob Wade Lane, Huntsville, AL 35810 are inventors of a certain invention, entitled:

DISTRIBUTED AUTOROUTING OF CONDUCTIVE PATHS,

an application for a United States patent for said invention having been executed by each of us on the same dates, respectively, that we have executed this Assignment, said application having attorney docket number 003921.00184 and also including Alexander N. Starkov as an inventor; or

filed on ______ and given U.S. Patent Application No.

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

NOW, THEREFORE, in view of exchanged good and valuable consideration, the receipt of which is hereby acknowledged, we, the inventors identified above and signing below hereby sell and assign to Mentor Graphics Corporation all rights and title to said invention, patent application and derivative patent(s) and like rights throughout the world, including all patent priority rights (including without limitation the right to file and prosecute applications under the Paris Convention, the Patent Cooperation Treaty and other applicable agreements) and the right to file and prosecute applications under the European Patent Convention, and all related applications including without limitation divisions, continuations, reexaminations, reissues and extensions, and to receive all letters patent and like rights granted thereon, 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 patent may be granted in any 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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PATENT REEL: 015493 FRAME: 0192

covenant that we have full right to execute this Assignment and that we have not executed and will not execute any agreement or do anything in conflict herewith, 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 documents respecting such 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 any country.

We hereby grant Mentor Graphics Corporation and its lawful agent the power to insert into 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 on the date(s) opposite our respective signatures below:

Vladimir V. Petunin

6/15/2004

15/04

Date

Date

Charles L. Pfeil

Venkat Natarajan

Date

Edwin Franklin Smith

Date

Page 2 of 2

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Charles I. Pfeil

Date

6/16/201d

Date

Venkat Natarajan

Date

Edwin Franklin Smith

Date

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Vladumir V. Petunin	Date
Charles L. Pfeil	Date
Venkat Natarajan	Date
- Augus	6/14

Edwin Franklin Smith

+/2004

Date

Page 2 of 2

RECORDED: 06/18/2004