PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------|----------------|
| Qiuyang Wu | 11/30/2009 |

RECEIVING PARTY DATA

| Name: | Synopsys, Inc. | |
|-----------------|-----------------------------------|--|
| Street Address: | 700 East Middlefield Rd., Bldg. C | |
| City: | Mountain View | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94043 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12628096 |

CORRESPONDENCE DATA

Fax Number: (408)200-0930

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

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| ATTORNEY DOCKET NUMBER: | SYN-1310 |
|-------------------------|----------|
|-------------------------|----------|

NAME OF SUBMITTER: Jeanette S. Harms

Total Attachments: 1

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OP \$40.00 12628

PATENT REEL: 023582 FRAME: 0135

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Qiuyang Wu
Brian Clerkin

of 5304 NW Lianna Way Portland, OR 97229

of 3 Coleman Way Lusk Village County Dublin, Ireland

hereby sell, assign and transfer to Synopsys, Inc., a Delaware corporation, having a place of business at 700 East Middlefield Rd., Bldg. C. Mountain View, CA 94043, its successors and assigns, the entire right, title and interest throughout the world in our invention in

"PATH PRESERVING DESIGN PARTITIONING WITH REDUNDANCY"

for which we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

| Executed this 30 day of November, 2009. | Qiuyang Wu |
|---|---------------|
| | |
| Executed this, 2009. | Brian Clarkin |

PATENT REEL: 023582 FRAME: 0136

RECORDED: 11/30/2009