



# ASSIGNMENT

Attorney Docket No. 34175.00082(A1998-001)

(1) Amob Roy (5) \_\_\_\_\_  
 (1-8) Insert Name(s) of Inventor(s) (2) Sanjay Malpani (6) \_\_\_\_\_  
 (3) Alok Kuchlous (7) \_\_\_\_\_  
 (4) \_\_\_\_\_ (8) \_\_\_\_\_

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

(9) Insert name of Assignee (9) Synopsys, Inc. \_\_\_\_\_  
 (10) Insert state of incorporation of Assignee (10) Delaware \_\_\_\_\_  
 (11) Insert address of Assignee (11) of 700 East Middlefield Road, Mountain View, CA 94043-4033  
 (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  
 (12) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (12) METHOD AND APPARATUS FOR ADAPTIVELY OR SELECTIVELY CHOOSING EVENT-TRIGGERED CYCLE-BASED SIMULATION OR OBLIVIOUS-TRIGGERED CYCLE-BASED SIMULATION ON A CLUSTER-BY-CLUSTER BASIS  
 (Case No. 34175.00082) (Serial No. 09/057,021) for which the undersigned has (have) executed an application for patent in United States of America  
 (13) Insert Date of Signing of Application (13) on May 31, 1998 \_\_\_\_\_

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) *The undersigned hereby grant(s)*  
 David L. Fehrman, Reg. No. 28,600; David L. Henty, Reg. No. 31,323; William J. Robinson, Reg. No. 29,430; Stuart L. Merkadeau, Reg. No. 33,262; David B. Abel Reg. No. 32,394; Hisako Muramatsu, Reg. No. 34,955; Brian M. Berliner, Reg. No. 34,549; David J. Meyer, Reg. No. 33,425; Vincent J. Belusko, Reg. No. 30,820; Minda Schechter, Reg. No. 38,296; William G. Anderson, Reg. No. 27,851; Victor De Gyarfas, Reg. No. 40,583; Dennis R. Gallagher, Reg. No. 42,563; Jonathan L. Pettit, Reg. No. 40,770; Wayne Smith, Reg. No. 42,160; Lawrence W. Granatelli, Reg. No. 32,228; Laura A. Majerus, Reg. No. 33,417; Joseph K. Hollinger Reg. No. 40,649; Jonathan T. Kaplan Reg. No. 38,935; Marc A. Sockol Reg. No. 40,823; Ian Cartier, Reg. No. 38,406; Linda Beach Reg. No. 36,446; Bryn E. Ekroot, Reg. No. 38,129.

*the power to insert on this assignment any further identification which 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.*

(2) Date May 31, 98 Name of Inventor(s) Sanjay Malpani (SANJAY MALPANI)  
 (3) Date May 31, 1998 Name of Inventor(s) Alok Kuchlous (ALOK KUCHLOUS)  
 (1) Date May 31, 1998 Name of Inventor(s) Amob Roy (AMOB ROY)  
 Date \_\_\_\_\_ Name of Inventor(s) \_\_\_\_\_  
 Date \_\_\_\_\_ Name of Inventor(s) \_\_\_\_\_