Form PTO-1595	12-28-1999 U.S. DEPARTMENT OF COMMERC
1-31-92	Patent and Trademark Offic
MED 12.8.99	
To the Honorable Commissioner of P.	101231937 ached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)?
Pranav ASHAR	NEC USA, INC. 4 Independence Way 2
	Princeton, New Jersey 08540
Additional name(s) of conveying party(ies) attached	e anno en la companya de la companya
	12¢
🗋 yes 🗹 no	* 6
3. Nature of Conveyance:	
Assignment D Merger	Additional name(s) & address(es) attached?
Security Agreement Change of Names	🗆 yes 🖬 no
C Other	
Execution Date: November 16, 1999	
	09/452506
	application, the execution date of the application is: November 11, 1999
A. Patent Application No.(s)	B. Patent No.(s)
Additional numb	bers attached?
5. Name and address of party to whom corresponde concerning document should be mailed:	ence 6. Total number of applications and registration involved:
SUGHRUE, MION, ZINN, MACPEAK & SEAS, P	PLLC 7. Total Fee (37 CFR 3.41); \$40.00
2100 Pennsylvania Avenue, N.W.	Enclosed. Please charge any underpayment in
Suite 800 Washington, D.C. 20037-3213	connection with this Assignment to Deposit Account No. 19-4880.
	8. Deposit Account No.
	19-4880
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	Reg. No. 25,665 December 8, 1999
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PATENT REEL: 010454 FRAME: 0380

For U.S./Foreign Filing A7539 CCRL1086 Page 1 of 2

ASSIGNMENT

(from Inventors to Princeton University)

WHEREAS, We, Peixin ZHONG and Margaret MARTONOSI,

hereinafter called assignors, jointly with Pranav ASHAR, have invented certain improvements in

METHOD AND APPARATUS FOR SAT SOLVER ARCHITECTURE WITH VERY LOW SYNTHESIS AND LAYOUT OVERHEAD

and have executed an application for Letters Patent of the United States of America therefor on Il/I/1/1//1/19/1999; and

WHEREAS,

Princeton University 5 New South Building P.O. Box 36 Princeton, New Jersey 08540

hereinafter called assignee, desires to acquire our entire right, title, and interest in the said application and the invention disclosed therein; and to any United States and foreign patents to be obtained therefrom;

NOW THEREFORE, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above-named assignors, hereby sell, assign and transfer to the above-named assignee, its successors and assigns, our entire right, title, and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under 35 U.S.C. § 119 and the International Convention of Paris (1883) as amended, and in and to any and all Letters Patent to be held by the above-named assignee as it would have been held by us had this assignment, transfer and sale not been made; and we request that any Letters Patent upon the invention to be issued in our names be issued in the name of our assignee herein, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys, SUGHRUE, MION, ZINN, MACPEAK & SEAS, of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses (Application Number , filed) the filing date and application number of said application when known.

Date: ////8//99

NOTARY

State of Pennsylverine) County of _______ ss:

On this <u>18</u> th day of <u>1900 1999</u>, before me personally came Peixin ZHONG, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

ANN K. MEIGHAN Notary Public of New Jersey My Comm. Exp. March 12, 2003

PATENT REEL: 010454 FRAME: 0381

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Date: 11/17/99

Margarez MARTONOSI Mitemos

NOTARY

State of New Jersey) County of Middlesex) ss:

HUM Chonyowa Notar

JILL M. THOMPSON Notary Public of New Jersey My Commission Expires November 13, 2009-

RECORDED: 12/08/1999

PATENT REEL: 010454 FRAME: 0382