

Atty. Docket No. IL920050024US1

# **RECORDATION FORM COVER SHEET** **PATENTS ONLY**

To The Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Daniel Geist Mark Ginzburg Yoad Lustig Ishai Rabinovotz Ohad Shacham Rachel Tzoref</p> <p>Additional name(s) of conveying party(ies) attached? <u>Yes</u> <u>X</u> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: International Business Machines Corporation Address: New Orchard Road Armonk, NY 10504</p> <p>Additional name(s) &amp; addresses attached? <u>Yes</u> <u>X</u> No</p>
<p>3. Nature of conveyance:</p> <p align="center"><u>X</u> Assignment</p> <p>Execution Date(s): <u>November 7, 2005, November 21, 2005, November 1, 2005, November 9, 2005, November 9, 2005, and November 8, 2005.</u></p>	<p>4. Patent Application number(s)</p> <p align="center"><u>11/285,338 filed November 22, 2005</u></p> <p>Execution Date(s): <u>November 7, 2005, November 21, 2005, November 1, 2005, November 9, 2005, November 9, 2005, and November 8, 2005.</u></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Stephen C. Kaufman Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598</p>	<p>6. Total number of applications involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u></p> <p><u>X</u> Charge to Deposit Account No.: <u>09-0468</u></p>
<p align="center"><b>DO NOT USE THIS SPACE</b></p>	
<p>8. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of original document.</p> <p><u>Stephen C. Kaufman (Reg. No. 29,551)</u>      <u>[Signature]</u>      <u>Dec 7, 2005</u> Name of Person Signing      Signature      Date</p> <p>Total Number of pages including cover sheet, attachments, and document: <u>7</u></p>	

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**PATENT**  
**REEL: 017099 FRAME: 0529**

CH \$40.00 090468 11285338

(IBM Docket) IL920050024US1

Page 1 of 2

***Assignment***

Whereas, we

INVENTOR AND CITY	(1) Daniel GEIST	of	<u>Haifa, Israel</u>
INVENTOR AND CITY	(2) Mark GINZBURG	of	<u>Be'er Sheva, Israel</u>
INVENTOR AND CITY	(3) Yoad LUSTIG	of	<u>Jerusalem, Israel</u>
INVENTOR AND CITY	(4) Ishai RABINOVOTZ	of	<u>Haifa, Israel</u>
INVENTOR AND CITY	(5) Ohad SHACHAM	of	<u>Kfar Monash, Israel</u>
INVENTOR AND CITY	(6) Rachel TZOREF	of	<u>Haifa, Israel</u>

have invented certain improvements in

TITLE: **Improvements to Satisfiability (SAT) Based Bounded Model Checkers**

DATES THAT INVENTORS SIGNED THE DECLARATION	(1) Nov. 7 . 2005	(2)	. 2005
	(3) . 2005	(4) Nov - 9	. 2005
	(5) Nov 9 . 2005	(6) Nov - 8	. 2005

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor:

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(IBM Docket) IL920050024US1

Page 2 of 2

CITY 7.11.05 (1) at HAIFA  
DATE on . 2005.  
SIGNATURE

Conz  
Daniel GEIST  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (2) at  
DATE on . 2005.  
SIGNATURE

Mark GINZBURG  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (3) at  
DATE on . 2005.  
SIGNATURE

Yoad LUSTIG  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (4) at Haifa  
DATE on 9-Nov-05 . 2005.  
SIGNATURE

Ishai  
Ishai RABINOVOTZ  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (5) at Haifa  
DATE on 9-Nov-05 . 2005.  
SIGNATURE

Ohad  
Ohad SHACHAM  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (6) at Haifa  
DATE on 8.11.05 . 2005.  
SIGNATURE

Rachel  
Rachel TZOREF  
FIRST NAME MIDDLE INITIAL LAST NAME

## ***Assignment***

Whereas, we

INVENTOR AND CITY	(1) Daniel GEIST	of	<u>Haifa, Israel</u>
INVENTOR AND CITY	(2) Mark GINZBURG	of	<u>Be'er Sheva, Israel</u>
INVENTOR AND CITY	(3) Yoad LUSTIG	of	<u>Jerusalem, Israel</u>
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	(3)	, 2005	(4)	, 2005
	(5)	, 2005	(6)	, 2005

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Page 2 of 2

CITY (1) at  
DATE on , 2005,  
SIGNATURE Daniel GEIST  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (2) at Haifa  
DATE on November 21, 2005,  
SIGNATURE *[Signature]* Mark GINZBURG  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (3) at  
DATE on , 2005,  
SIGNATURE Yoad LUSTIG  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (4) at  
DATE on , 2005,  
SIGNATURE Ishai RABINOVOTZ  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (5) at  
DATE on , 2005,  
SIGNATURE Ohad SHACHAM  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (6) at  
DATE on , 2005,  
SIGNATURE Rachel TZOREF  
FIRST NAME MIDDLE INITIAL LAST NAME

FILED 12/07/05 IL920050024US1

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DATES THAT	(1)	, 2005	(2)	, 2005
INVENTORS				
SIGNED THE	(3) <i>November 1</i>	, 2005	(4)	, 2005
DECLARATION				
	(5)	, 2005	(6)	, 2005

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**PATENT****REEL: 017099 FRAME: 0534**

7:45

USPTO Application IL920050024US1

Page 2 of 2

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SIGNATURE Daniel GEIST  
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CITY (3) at JERUSALEM  
DATE on November 7, 2005.  
SIGNATURE Yoad LUSTIG  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (4) at  
DATE on , 2005.  
SIGNATURE Ishai RABINOVOTZ  
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CITY (5) at  
DATE on , 2005.  
SIGNATURE Ohad SHACHAM  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (6) at  
DATE on , 2005.  
SIGNATURE Rachel TZOREF  
FIRST NAME MIDDLE INITIAL LAST NAME

PATENT

RECORDED: 12/07/2005

REEL: 017099 FRAME: 0535