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SUBMISSION TYP	E:	NEW ASSIGNMENT			
	/EYANCE:		ASSIGNMENT		
CONVEYING PAR	ΓΥ DATA				
		N	ame	Execution Date	
William Carlisle Ar	nold			03/17/2008	
Daniel Christopher	Berg			03/17/2008	
Brad Lee Blancett				03/17/2008	
Tamar Eilam				03/17/2008	
Michael Damein El	lder			03/17/2008	
Chad M. Holliday				03/17/2008	
Michael Husayn Ka	alantar			03/14/2008	
Alexander V. Kons	tantinou			03/17/2008	
Narinder Makin				03/15/2008	
Edward Charles Si	nible			03/17/2008	
John Eric Swanke				03/15/2008	
Andrew Neil Tross	man			04/11/2008	
Paul Darius Vytas				03/17/2008	
Alice Tse Yun Yeu	ng			03/17/2008	
RECEIVING PART		Busines	ss Machines Corporation		
Street Address:	New Orchard	d Road			
City:	Armonk				
State/Country:	NEW YORK				
Postal Code:	10504				
PROPERTY NUMB	ERS Total: 1				
Property Type			Number		
Property	туре	Application Number: 12014624			
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Application Numbe	er:	JI	624		

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Correspondence will be sen	t via US Mail w	hen the fax attempt is unsuccessful.		
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	jstafford@yeei			
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	P.O. Box 8023			
Address Line 4.	Dallas, TEXAS	75580		
ATTORNEY DOCKET NUM	BER:	YOR920070478US2		
NAME OF SUBMITTER:		Gerald H. Glanzman		
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Whereas, we,

(1) <u>William Carlisle Arnold</u> of <u>Mahopac</u> County of Putnam

and

(2) Daniel Christopher Bergof CaryCounty of Wakeand State of North Carolina

and

(3) Brad Lee Blancett County of Wake

and

(4) Tamar Eilam County of <u>New York</u>

and

(5) <u>Michael Damein Elder</u> of <u>Durham</u> County of Durham and State County of Durham

and

(6) <u>Chad M. Holliday</u> County of Wake

and

and

(8) Alexander V. Konstantinou of New York County of New York

and

(9) Narinder Makin County of Wake

and

(10) Edward Charles Snible of New York County of <u>New York</u>

and

(11) John Eric Swanke County of Litchfield

and

and State of Texas

of <u>Raleigh</u> and State of <u>North Carolina</u>

of New York and State of New York

and State of North Carolina

of <u>Hely Springs</u> and State of North Carolina

(7) Michael Husayn Kalantarof Chapel HillCounty of Orangeand State of North Carolina

and State of New York

of <u>Morrisville</u> and State of North Carolina

and State of New York

of <u>Terryville</u> and State of Connecticut

(12) Andrew Neil Trossmanof North YorkProvince of Ontarioand Country of Canada

and

(13) <u>Paul Darius Vytas</u> of <u>Toronto</u> Province of Ontario

and Country of Canada

and

(14) Alice Tse Yun Yeungof MarkhamProvince of Ontarioand Country of Canada Province of Ontario

have invented certain improvements in

Method and System for Modeling, Validating and Automatically Resolving Goals and Dependencies Between Elements Within a Topology

and executed, respectively, a United States patent application therefore on (Dates Inventors Signed Declaration) (1) William (. content . 3/17/2009)

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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 in all 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 invention set forth in said application 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.

(1) Signed at <u>Hawthore</u> NY on <u>3/17/2008</u>. location date

Winn C. and

William Carlisle Arnold

Page 2 of 5

and	(2)	Signed at		on		
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			location.		date Michael Damein	Elder

and	(7)	Signed at _	location	ondate
and	(8)	Signed at _	Hant horne NY location	Michael Husayn Kalantar on <u>3/17/2008</u> . date Alexander V. Konstantinou
and	(9)	Signed at _	location	on date
and	(10) Signed at	Acawtherne, M Jocation	Narinder Makin on <u>3-17-2008</u> date date Edward Charles Snible
and	(11) Signed at	location	on date

John Eric Swanke

and	(12)	Signed at		on			
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					Andrew	Neil	Trossman
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Alice Tse Yun Yenng

Whereas, we,

(1) William Carlisle Arnold County of Putnam

and

(2) Daniel Christopher Berg County of Wake

and

(3) Brad Lee Blancett County of Wake

and

(4) Tamar Eilam County of New York

and

(5) Michael Damein Elder County of Durham

and

(6) Chad M. Holliday County of Wake

and

(7) Michael Husayn Kalantar County of Orange

and

(8) Alexander V. Konstantinou County of New York

and

(9) Narinder Makin County of Wake

and

(10) Edward Charles Snible County of New York

and

(11) John Eric Swanke County of Litchfield

and

of Mahopac and State of Texas

23 of <u>Sary</u> Holly Springs and State of <u>North Carolina</u>

of Raleigh and State of North Carolina

of New York and State of New York

of Durham and State of North Carolina

of Holy Springs and State of North Carolina

of Chapel Hill and State of North Carolina

of New York and State of New York

of Morrisville and State of North Carolina

of New York and State of New York

of <u>Terryville</u> and State of Connecticut

Page 1 of 5

(12) Andrew Neil Trossmanof North YorkProvince of Ontarioand Country of Canada Province of Ontarlo

and

(13) Faul Darius Vytasof TorontoProvince of Ontarioand Country of Canada

and

(14) <u>Alice Tse Yun Yeung</u> Province of Ontario

of <u>Markham</u> and Country of <u>Canada</u>

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(Dades inventors signed beciarderon)		
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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;

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(1) Signed at ______ on _____. location date

William Carlisle Arnold

Page 2 of 5

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and	(5)	Signed	at	Durham, NC Iocat	ion	on	3/17/2008 date	Tamar Eilam
and	(6)	Signed	at .	<u>RTP, VC</u> locat	ion	on	<u>3-17-0</u> date	Damein Elder

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and	(14)	Signed at		on		
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					Alice	Tse Yun Yeung

Whereas, we,

(1) William Carlisle Arnold of Mahopac County of Putnam and State of Texas

and

(2) <u>Daniel Christopher Berg</u> of <u>Cary</u> County of Wake and State of <u>North Carolina</u>

and

(3) Brad Lee Blancett County of Wake

and

(4) Tamar Eilam County of New York

and

County of Durham

and

(6) Ch<u>ad M. Holliday</u> County of Wake

and

and

(8) Alexander V. Konstantinou of New York County of New York

and

(9) Narinder Makin County of Wake

and

(10) Edward Charles Snible County of New York

and

(11) John Eric Swanke County of Litchfield

and

of <u>Raleigh</u> and State of <u>North Carolina</u>

of <u>New York</u> and State of <u>New York</u>

(5) Michael Damein Elderof DurhamCounty of Durhamand State of North Carolina

of <u>Holy</u> Springs and State of North Carolina

(7) <u>Michael Husayn Kalantar</u> of <u>Chapel Hill</u> County of Orange and State of <u>North Carolina</u>

and State of New York

of <u>Morrisv</u>ille and State of North Carolina

of <u>New York</u> and State of <u>New York</u>

of Terryville and State of Connecticut

Page 1 of 5

(12) <u>Andrew Neil Trossman</u> Province of Ontario

and

(13) <u>Paul Darius Vytas</u> Province of <u>Ontario</u>

and

(14) <u>Alice Tse Yun Yeung</u> Province of <u>Ontario</u>

of <u>Markham</u> and Country of <u>Canada</u>

and Country of Canada

and Country of Canada

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of <u>North York</u>

of <u>Toronto</u>

and executed, respectively, a United States patent application therefore on (Dates Inventors Signed Declaration) (1)

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(1)	Signed at		on	•
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William Carlisle Arnold

Page 2 of 5

and	(2)	Signed at	location	on .	
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Page 3 of 5

and (7) Signed at <u>Mappel Hill, NC</u> on <u>March 14, 2008</u> Jocation <u>Michael Husayn Kalantar</u> Michael Husayn Kalantar and (8) Signed at ______ on _____.
location date Alexander V. Konstantinou and (9) Signed at ______ on _____.
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Page 4 of 5

and	(12)	Signed at		on	
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and	(14)	Signed at _	location	on	date

Alice Tse Yun Yeung

Whereas, we,

(1) William Carlisle Arnold of Mahopac County of Putnam and State of County of Putnam

and

County of Wake

and

(3) Brad Lee Blancett County of Wake

and

and

(5) Michael Damein Elder of Durham County of Durham

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(6) Chad M. Holliday County of Wake

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and

and

and State of Texas

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(11) John Eric Swankeof TerryvilleCounty of Litchfieldand State of Connecticut

PATENT REEL: 020878 FRAME: 0903

Page 1 of 5

(12) <u>Andrew Neil Trossman</u> Province of Ontario

and

(13) Paul Da	irius Vytas		Toronto		
Province of	Ontario	and	Country	of	Canada

and

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William Carlisle Arnold

Page 2 of 5

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Page 4 of 5

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				Alice Tse Yu	ın Yeung

of <u>Cary</u>

of Raleigh

of New York

of <u>Holy Springs</u>

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(1) William Carlisle Arnold County of Putnam

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William Carlisle Arnold

Page 2 of 5

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			Narir	der Makin
and (10) Signed at	location	on	date	
			Edward Charl	es Snible
and (11) Signed at	location	on	date	
			John Er	ric Swanke

and	(12)	Signed at		on .
			location	date
				Andrew Neil Trossman
and	(13)	Signed at _		on <u>MARCH 17, 2005</u> date
			·	Paul Darius Vytas
and	(14)	Signed at _	<u>Múrkkan</u> location	on March if the Acod date
				ALL Alice Tse Yun Yeung

Whereas, we, (1) William Carlisle Arnold of Mahopac County of Putnam and (2) Daniel Christopher Berg County of Wake and (3) Brad Lee Blancett County of Wake and (4) Tamar Eilam County of New York and (5) Michael Damein Elder County of Durham and (6) Chad M. Holliday County of Wake and (7) <u>Michael Husayn Kalantar</u> of <u>Chapel Hill</u> County of <u>Orange</u> and State of <u>North Carolina</u> County of Orange and (8) <u>Alexander V. Konstantinou</u> of <u>New York</u> County of New York and (9) Narinder Makin County of Wake and (10) Edward Charles Snible County of New York and (11) John Eric Swanke County of Litchfield

and

and State of Texas

of <u>Cary</u> and State of North Carolina

of Raleigh and State of North Carolina

of New York and State of New York

of <u>Durha</u>m and State of North Carolina

> of <u>Holy Spr</u>ings and State of North Carolina

and State of New York

of Morrisville and State of North Carolina

of New York and State of New York

> of Terryville and State of Connecticut

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(12) Andrew Neil Trossmanof North YorkProvince of Ontarioand Country of Canada Province of <u>Ontario</u>

and

(13) Paul Darius Vytasof TorontoProvince of Ontarioand Country of Canada

and

(14) Alice Tse Yun Yeungof MarkhamProvince of Ontarioand Country of Canada

have invented certain improvements in

Method and System for Modeling, Validating and Automatically Resolving Goals and Dependencies Between Elements Within a Topology

and executed, respectively, a United States patent application therefore on (Dates Inventors Signed Declaration) (1)_____ (2)_____, (3)_____, $\begin{array}{c} (2) \\ (4) \\ (6) \\ (6) \\ (7) \\ (8) \\ (10) \\ (12) \\ (12) \\ (14) \end{array}$ and (14)

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 in all 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 invention set forth in said application 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.

(1) Signed at ______ on _____. location date _____.

William Carlisle Arnold

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and	(12)	Signed at .	Toro AC location	 on <u>April</u>	 nte	S S
				 2 Canal	ew Neil Tr	ossman
and	(13)	Signed at _	location	 onda	te	
				 I	Paul Darius	Vytas
and	(14)	Signed at _	location	 onda	te	

Alice Tse Yun Yeung

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