# Electronic Version v1.1

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SUBMISSION TYPE: NEW ASSIGNMENT						
NATURE OF CONV	EYANCE:	ASS	ASSIGNMENT			
CONVEYING PART	Υ DATA					
		Name		Execution Date		
William Carlisle Arn	old			03/17/2008		
Daniel Christopher	Berg			03/17/2008		
Brad Lee Blancett				03/17/2008		
Tamar Eilam				03/17/2008		
Michael Damein Elo	der			03/17/2008		
Chad M. Holliday				03/17/2008		
Michael Husayn Ka	lantar			03/14/2008		
Alexander V. Konst	antinou			03/17/2008		
Narinder Makin				03/15/2008		
Edward Charles Sn	ible			03/17/2008		
John Eric Swanke				03/15/2008		
Andrew Neil Trossr	nan			04/11/2008		
Paul Darius Vytas				03/17/2008		
Alice Tse Yun Yeur	ıg			03/17/2008		
RECEIVING PARTY				]		
Name:			chines Corporation			
Street Address:	New Orchard	d Road				
City:	Armonk					
State/Country:	NEW YORK					
Postal Code:	Postal Code: 10504					
PROPERTY NUMB	ERS Total: 1					
Property	Туре		Number			
Application Number: 12014						
CORRESPONDENC	CE DATA					
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REEL: 020878 FRAME: 0620

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ATTORNEY DOCKET NUM	BER:	YOR920070478US1	
NAME OF SUBMITTER:		Gerald H. Glanzman	
Total Attachments: 30			
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#### Whereas, we,

(1) William Carlisle Arnoldof MahopacCounty of Putnamand State of Texas

#### and

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

#### and

(3) Brad Lee Blancettof RaleighCounty of Wakeand State of

#### and

(4) Tamar Eilam (4) Tamar Eilam County of New York

#### and

#### and

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

#### and

County of Orange

## and

(8) Alexander V. Konstantinouof New YorkCounty of New Yorkand State of New York

#### and

(9) <u>Narinder Makin</u> County of Wake

#### and

(10) Edward Charles Snibleof New YorkCounty of New Yorkand State of New York

#### and

(11) John Eric Swanke County of Litchfield

and

and State of North Carolina

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

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

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

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

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

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

Page 1 of 5

(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) 31172008

(2)	, (3)	,
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(10) 3/17/2exe	, (11)	,
(12)	, (13)	, and
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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>Hawtherne</u>, NY on <u>3/17/2008</u>. location date.

Wirmen C-autle Umill. William Carlisle Arnold

Page 2 of 5

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						Brad	Lee Blancett
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						Michael	Damein Elder
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					<u></u>	Chac	d M. Holliday

and	(7)	Signed at _	location	on	date
and	(8)	Signed at _	Hawthorne NY		
and	(9)	Signed at _	location	ź	Alexander V. Konstantinou date
and	(10	) Signed at	Hentrome NA location	on _	Narinder Makin 3
and	(11	) Signed at	location	on	Julwa Ni CharlNs Snible

John Eric Swanke

and	(12)	Signed at		on		
			location		date	
					Andrew Neil	Trossman
and	(13)	Signed at		on		·
			location		date	
					Paul Dari	us Vytas
and	(1.1.)					
anu	(14)	Signed at	location	on	date	·

Alice Tse Yun Yeung

Page 5 of 5

#### Whereas, we,

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

#### and

(2) Daniel Christopher Berg County of Wake

#### and

(3) Brad Lee Blancett County of Wake

#### and

(4) Tamar Eilam County of New York

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

#### and

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#### and

(9) <u>Narinder Makin</u> County of <u>Wake</u>

#### and

(10) Edward Charles Snible County of New York

#### and

(11) John Eric Swanke County of Litchfield

and

of <u>Mahopac</u> and State of <u>Texas</u>

Holly Springs DB

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

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

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

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

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

of <u>Chapel Hill</u> and State of <u>North Carolina</u>

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

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

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

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

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

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(Dates inventors signed beciaración)		
(2) Duni Surg 3-17-08,	(3) Brod hue 3/17/08	
(4)	(5) hole 8.02	
(6) // M/L 3-17-08,	(7),	
(8),	(9) <u>in this 3115108</u>	
(10),	(11),	
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(1) Signed at \_\_\_\_\_\_ on \_\_\_\_\_. location date \_\_\_\_\_\_

William Carlisle Arnold

Page 2 of 5

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						Brad Lee Bla	ncett
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PATENT REEL: 020878 FRAME: 0631

Page 5 of 5

Whereas, we,

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

and

(2) Daniel Christopher Berg of Cary County of Wake

and

(3) Brad Lee Blancett County of Wake

#### and

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

#### and

#### and

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

#### and

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

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

of <u>Holy Spring</u>s and State of North Carolina

# and State of New York

of <u>Morr</u>isville and State of North Carolina

and State of New York

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

and Country of Canada

and 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

of <u>Nor</u>th York

of <u>T</u>oronto

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

(Dates inventors signed)		/
(2)	, (3)	/
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(6)	(7) March 14, 200	8
(8)	, (9)	/
(10)	, (11)	
(12)	, (13)	, and
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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

and (2)	Signed at		on		
		location		date	
				Daniel Christopher	Berg
and (3)	Signed at	location	on	date	
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				Michael Damein	Elder
and (6)	Signed at		on		
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				Chad M. Hol	liday
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Page 3 of 5

and (7) Signed at <u>Unapel Hill</u> NC on <u>March 14</u> 2008 Jocation <u>Michael Husaugu Kalanta</u> <u>Michael Husayn Kalantar</u> and (8) Signed at \_\_\_\_\_\_ on \_\_\_\_\_\_ on \_\_\_\_\_ date Alexander V. Konstantinou and (9) Signed at \_\_\_\_\_\_ on \_\_\_\_\_\_. location date \_\_\_\_\_\_ Narinder Makin and (10) Signed at \_\_\_\_\_\_ on \_\_\_\_\_. location date \_\_\_\_\_\_ Edward Charles Snible and (11) Signed at \_\_\_\_\_\_ on \_\_\_\_\_ \_\_\_\_\_. date\_\_\_\_\_. John Eric Swanke

Page 4 of 5

and	(12)	Signed at		0	n	
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					Andrew	Neil Trossman
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					Paul	Darius Vytas
and	(14)	Signed at _	locati		ndate	·
					Alice	Tse Yun Yeung

Whereas, we,

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

and

(2) Daniel Christopher Berg of Cary County of Wake

and

(3) <u>Brad Lee Blancett</u> County of W<u>ake</u> of <u>Raleigh</u> and State of <u>North Carolina</u>

#### and

#### and

(5) Michael Damein Elder of Durham County of Durham

#### and

(6) Chad M. Holliday County of Wake

#### and

County of Orange

#### and

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

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Page 1 of 5

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of North York

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

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William Carlisle Arnold

Page 2 of 5

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of <u>Cary</u>

of Raleigh

of New York

of Holy Springs

of Durham

Whereas, we,

(1) William Carlisle Arnold County of Putnam

of Mahopac and State of Texas

and State of North Carolina

and State of New York

and State of New York

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

and State of North Carolina

of Morrisville

of <u>New Y</u>ork

and State of New York

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Page 1 of 5

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(14) March 17th sout	· · · · · · · · · · · · · · · · · · ·	

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William Carlisle Arnold

Page 2 of 5

and	(2)	Signed a	at			on			
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				-			Br	ad Lee Bla	incett
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and	(5)	Signed a	at			on			
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							Micha	el Damein	Elder
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							C	had M. Hol	iiday

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				Michael Husayn Kalantar
and (8	3) Signed at	location	on	
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				Narinder Makin
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				Edward Charles Snible
and (	11) Signed at		on	
		location		date
				John Eric Swanke

and	(12)	Signed at		on .
			locatio	n date
			_	Andrew Neil Trossman
and	(13)	Signed at _		on <u>March 17, 2058</u> . n date
				Paul Darius Vytas
and	(14)	Signed at _	<u>Markham</u> Iocatio	n on date on } date
			_	Alice Tse Yun Yeung

of <u>Mahopac</u>

and State of Texas

Whereas, we,

(1) William Carlisle Arnold County of Putnam

and

(2) Daniel Christopher Berg of Cary 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) <u>Chad M. Holliday</u> County of Wake

and

(7) Michael Husayn Kalantar County of Orange

and

(8) Alexander V. Konstantinouof New YorkCounty of New Yorkand State of New York County of New York

#### and

(9) Narinder Makin County of Wake

#### and

(10) Edward Charles Snible of New York County of New York

#### and

(11) John Eric Swanke County of Litchfield

and

and State of North Carolina

of Raleigh and State of North Carolina

of New York and State of New York

of <u>Durh</u>am and State of North Carolina

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

of <u>Chapel Hil</u>l and State of North Carolina

of Morrisville and State of North Carolina

and State of New York

of Terryville and State of Connecticut

(12) Andrew Neil Trossman Province of Ontario

and

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

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

of North York

of Toronto

and Country of Canada

and Country of Canada

and	executed,	respectively,	a United	States	patent	application	therefore	on
(Da	tes Invento	ors Signed Decl	aration) (	1)	_			
(2)		_	,	(3)				
(4)			/	(5)			/	
(6)			,	(7)	_		/	
(8)			/	(9)			/	
(10	) The	4-02 N.		(11)			/	
(12	) Al	80' 11 108	,	(13)			/	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			

William Carlisle Arnold

PATENT

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Dago 2 of 5

		on		Signed at	d (2)	and
	date		location			
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r Berg	Daniel Christopher					
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	uale		IOCALION			
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Elder	Michael Damein					
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lliday	Chad M. Hol					

and	(7)	Signed at		on	
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					Michael Husayn Kalantar
and	(8)	Signed at		on	
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			_		Alexander V. Konstantinou
					Alexander V. Konstantinou
and	(9)	Signed at _	locatior	on	 date
					Narinder Makin
and	(10)	Signed at	location	on 	date
					Edward Charles Snible
and	(11)	Signed at		on	
			location		date
			_		John Eric Swanke

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Page 4 of 5

and	(12)	Signed at	Toronbo	on April 11 08 date	
				Andrew Neil Tr	Ossman
and	(13)	Signed at	location	on	
				Paul Darius	Vytas
and	(14)	Signed at .	location	on	

Alice Tse Yun Yeung