

FORM PTO-1595/Modified Page 1 of 1

Attorney Name

RECC

06-20-2005



IEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

11/151056 11/151056 061305

103023027

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

Names of conveying parties: Ronald Fagin	
Ronald Fagin	Execution Dates:
	06.10.2005
Ramanathan V. Guha	06.12.2005
Phokion Gerasimos Kolaitis	06.09.2005
Jasmine Gina Novak	06.10.2005
Shanmugasundaram Ravikumar	06.10.2005
Dandapani Sivakumar	06.10.2005
Andrew Stephen Tomkins	06.10.2005
 Name and address of receiving party: International Business Mach New Orchard Road, Armon Nature of conveyance: Assignment 	
4. Application number: 11/Do If this Assignment is being filed together with application (date Declaration signed by firs	n a new application, enter the execution date of the
5. Name and address of party to whom co Samuel A. Kassatly 20690 View Oaks Way San Jose, CA 95120	rrespondence concerning Assignment should be mailed: Tel: (408) 323-5111 Fax:(408) 521-0111
6. Total number of applications involved:	<u>1</u>
7. Total fee (37 CFR 3.41) = $$40.00$	
8. Charge fee to Deposit Account No. $09-0$	0441
	NOT USE THIS SPACE
DO I	
9. Statement and signature:	ne foregoing information is true and correct and any all document.
Statement and signature: To the best of my knowledge and belief, the	
9. Statement and signature: To the best of my knowledge and belief, the attached copy is a true copy of the original.	

Signature of Attorney

PATENT

REEL: 016689 FRAME: 0389

Date

ASSIGNMENT

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(1)	Name: City/State of: County/Country of:	Ronald Fagin Los Gatos, CA Santa Clara		
(2)	Name: City/State of: County/Country of:	Ramanathan V Los Altos, CA Santa Clara	. Guha	
(3)	Name: City/State of: County/Country of:	Phokion Geras Los Altos, CA Santa Clara	imos Kola	itis
(4)	Name: City/State of: County/Country of:	Jasmine Gina I Mountain View, Santa Clara		
(5)	Name: City/State of: County/Country of:	Shanmugasund Cupertino, CA Santa Clara	daram Rav	rikumar
(6)	Name: City/State of: County/Country of:	Dandapani Siva Cupertino, CA Santa Clara	akumar	
(7)	Name: City/State of: County/Country of:	Andrew Stephe San Jose, CA Santa Clara	en Tomkin	S
(8)	Name: City/State of: County/Country of:			
(9)	Name: City/State of: County/Country of:			
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have i		ETHOD FOR F		MING A HIGH-LEVEL MULTI- RUCTURAL DATABASE"
and ex	xecuted a Declaration a	nd Power of Attor	rney for a	United States patent application therefor on:
(1)	Date: G (1	20105	(6)	Date: 6/10/2005
(2)	Date:		(7)	Date:
(3)	Date:		(8)	Date:
(4)	Date:		(9)	Date:
(5)	Date: Jun	e 10, 2005		

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, desires to acquire and own 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, I, the above named, hereby sell, assign, and transfer to Assignees, their 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to Assignees, their successors and assigns; and I hereby agree that Assignees may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Assignees.

Execution by Assignors:

(1)	Name: Honald Fagin	City/State	JA-101-, CA
(2)	Signature: Miles Name: Ramanathan V. Guha	Date: City/State	6/10/05
(3)	Signature: Name: Phokion Gerasimos Kolaitis	Date: City/State	
(4)	Signature: Name: Jasmine Gina Novak	Date: City/State	
(5)	Signature: Name: Shanmugasundaram Ravikumar	Date: City/State	San Jose, ca
	Signature:	Date:	June 10, 2005

<u>ASSIGNMENT</u>

(6)	Name: Dandapani Sivakumar	City/State San Jose, (4)
(7)	Signature:	Date: 6/10/2005 City/State
(8)	Signature: Name:	Date:City/State
(9)	Signature:	Date:City/State
	Signature:	Date:

Whereas, we,
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(1)	Name:	Ronald Fagin
` '	City/State of:	Los Gatos, CA
	County/Country of:	Santa Clara

(2) Name: Ramanathan V. Guha
City/State of: Los Altos, CA
County/Country of: Santa Clara

(3) Name: Phokion Gerasimos Kolaitis
City/State of: Los Altos, CA
County/Country of: Santa Clara

(4) Name: Jasmine Gina Novak
City/State of: Mountain View, CA
County/Country of: Santa Clara

(5) Name: Shanmugasundaram Ravikumar City/State of: Cupertino, CA County/Country of: Santa Clara

(6) Name: Dandapani Sivakumar City/State of: Cupertino, CA County/Country of: Santa Clara

(7) Name: Andrew Stephen Tomkins
City/State of: San Jose, CA
County/Country of: Santa Clara

(8) Name: City/State of: County/Country of:

(9) Name: City/State of: County/Country of:

have invented certain improvements in:

"SYSTEM AND METHOD FOR PERFORMING A HIGH-LEVEL MULTI-DIMENSIONAL QUERY ON A MULTI-STRUCTURAL DATABASE"

and executed a Declaration and Power of Attorney for a United States patent application therefor on:

(1)	Date:	(6)	Date:
(2)	Date: 6/12/2005	(7)	Date:
(3)	Date:	(8)	Date:
(4)	Date:	(9)	Date:
(5)	Date:		

Execution by Assignors:

ASSIGNMENT

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, desires to acquire and own 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, I, the above named, hereby sell, assign, and transfer to Assignees, their 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to Assignees, their successors and assigns; and I hereby agree that Assignees may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Assignees.

(1)	Name: Ronald Fagin	City/State	
(2)	Signature: Name: Ramanathan V. Guha	Date:	
(3)	Signature: R. Vandhymath Cyden Name: Phokion Gerasimos Kolaitis	Date:	•
(4)	Signature: Name: Jasmine Gina Novak	Date:	
(5)	Signature: Name: Shanmugasundaram Ravikumar	Date:City/State	***************************************
	Signature:	Date:	

(6)	Name: Dandapani Sivakumar	City/State
(7)	Signature: Name: Andrew Stephen Tomkins	Date:City/State
(8)	Signature:	Date:City/State
(9)	Signature:	Date:City/State
	Signature:	Date:

(5)

Date: _____

ASSIGNMENT

Where	eas, we,	<u></u>	<u> </u>
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(1)	Name: City/State of: County/Country of:	Ronald Fagin Los Gatos, CA Santa Clara	
(2)	Name: City/State of: County/Country of:	Ramanathan V. Guha Los Altos, CA Santa Clara	
(3)	Name: City/State of: County/Country of:	Phokion Gerasimos Ko Los Altos, CA Santa Clara	plaitis
(4)	Name: City/State of: County/Country of:	Jasmine Gina Novak Mountain View, CA Santa Clara	
(5)	Name: City/State of: County/Country of:	Shanmugasundaram F Cupertino, CA Santa Clara	lavikumar
(6)	Name: City/State of: County/Country of:	Dandapani Sivakumar Cupertino, CA Santa Clara	
(7)	Name: City/State of: County/Country of:	Andrew Stephen Tomk San Jose, CA Santa Clara	iins
(8)	Name: City/State of: County/Country of:		
(9)	Name: City/State of: County/Country of:		
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have ir		THOD FOR PERFO	PRMING A HIGH-LEVEL MULTI- STRUCTURAL DATABASE"
and ex	ecuted a Declaration a	nd Power of Attorney for	a United States patent application therefor on:
(1)	Date:	(6)	Date:
(2)	Date:	(7)	Date:
(3)	Date: 06.09.2005	(8)	Date:
(4)	Date:	(9)	Date:

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(1)	Name: Ronald Fagin	City/State	
(2)	Signature: Name: Ramanathan V. Guha	Date: City/State	
(3)	Signature: Name: Phokion Gerasimos Kolaitis	Date: City/State	
(4)	Signature: Philip Kol- Name: Jasmine Gina Novak	Date: City/State	619/2005
(5)	Signature: Name: Shanmugasundaram Ravikumar	Date: City/State	· · · · · · · · · · · · · · · · · · ·
	Signature:	Date:	

<u>ASSIGNMENT</u>

(6)	Name: Dandapani Sivakumar	City/State .	
(7)	Signature: Name: Andrew Stephen Tomkins	Date:	
(8)	Signature:	Date:City/State	
(9)	Signature:	Date:	_
	Signature:	Date:	

ASSIGNMENT				
Where	as, we,			
(1)	Name:	Ronald Fagin		
	City/State of:	Los Gatos, CA		
	County/Country of:	Santa Clara		
(2)	Name:	Ramanathan V. (Guha	
	City/State of:	Los Altos, CA		
	County/Country of:	Santa Clara		
(3)	Name:	Phokion Gerasin	nos Kolait	is
,	City/State of:	Los Altos, CA		
	County/Country of:	Santa Clara		
(4)	Name:	Jasmine Gina No	ovak	
` '	City/State of:	Mountain View, 0		
	County/Country of:	Santa Clara		
(5)	Name:	Shanmugasunda	ram Rav	kumar
	City/State of:	Cupertino, CA		
	County/Country of:	Santa Clara		
(6)	Name:	Dandapani Sivak	umar	
	City/State of:	Cupertino, CA		
	County/Country of:	Santa Clara		
(7)	Name:	Andrew Stephen	Tomkins	
	City/State of:	San Jose, CA		
	County/Country of:	Santa Clara		
(8)	Name:			
` .	City/State of:			
	County/Country of:			
(9)	Name:			
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have i	nvented certain improve	ements in:		
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and executed a Declaration and Power of Attorney for a United States patent application therefor on:				
(1)	Date:		(6)	Date:
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(3)	Date:		(8)	Date:
(4)	Date: 06.10.2005		(9)	Date:

Date: _____

(5)

Execution by Assignors

ASSIGNMENT

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(1)	Name:	Ronald Fagin	City/State	
(2)	Signatu Name:	re: Ramanathan V. Guha	Date: City/State	
(3)	Signatu Name:	re: Phokion Gerasimos Kolaitis	Date: City/State	
(4)	Signatu Name:	re: Jasmine Gina Novak	Date: City/State Mountain View,	C4
(5)	Signatu Name:	_{re:} <u>Jasmine Novak</u> Shanmugasundaram Ravikumar	Date: <u>6/10/zea5</u> City/State	
	Signatu	re:	Date	

(6)	Name: Dandapani Sivakumar	City/State	T
(7)	Signature: Name: Andrew Stephen Tomkins	Date:	······································
(8)	Signature:	Date:	
(9)	Signature: Name:	Date:	
	Signature:	Date:	

<u>ASSIGNMENT</u>

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(9)	Name: City/State of: County/Country of:	
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have		ements in: ETHOD FOR PERFORMING A HIGH-LEVEL MULTI- JERY ON A MULTI-STRUCTURAL DATABASE"
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(5)	Signature: Name: Shanmugasundaram Ravikumar	Date:
	Signature:	Date:

(6)	Name: Dandapani Sivakumar	City/State	
	Signature:	Date:	
(7)	Name: Andrew Stephen Tomkins	City/State	06.10.2005
	Signature: Malang	Date:	06.10.2005
(8)	Name:	City/State	
	Signature:	Data	
	Signature.	Date:	
(9)	Name:	City/State	
	Signature:	Date:	

RECORDED: 06/13/2005