Electronic Version v1.1

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SUBMISSION TYPE	l:	NEW ASSIGNMENT		
NATURE OF CONV	EYANCE:	ASSIGNMENT		
CONVEYING PART	Y DATA	Π		
		Name	Execution Date	
Rajesh Manjrekar			02/14/2008	
Berthold Reinwald			02/12/2008	
John Sismanis			02/18/2008	
Wensheng Wu			02/13/2008	
RECEIVING PARTY	΄ DATA			
Name:	International B	Business Machines Corporation]	
Street Address:	New Orchard	Road		
City:	Armonk			
	NEW YORK			
State/Country:				
State/Country: Postal Code: PROPERTY NUMBE	10504			
Postal Code: PROPERTY NUMBE Property	10504 ERS Total: 1 Type	Number		
Postal Code: PROPERTY NUMBE	10504 ERS Total: 1 Type			
Postal Code: PROPERTY NUMBE Property Application Number CORRESPONDENC	10504 ERS Total: 1 Type r: 7 CE DATA (301)261	-8825		
Postal Code: PROPERTY NUMBE Property Application Number CORRESPONDENC Fax Number: <i>Correspondence wi</i>	10504 ERS Total: 1 Type r: CE DATA (301)261 Il be sent via US N	12034964 -8825 Mail when the fax attempt is unsuccessful.		
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Postal Code: PROPERTY NUMBE Property Application Number CORRESPONDENC Fax Number: <i>Correspondence win</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2:	10504 ERS Total: 1 Type r: (301)261 // be sent via US M 410-573- gunther@ he: Gibb & R 2568-A R SUITE 30	-8825 <i>Mail when the fax attempt is unsuccessful.</i> 1545 Øgibb-rahman.com tahman, LLC RIVA ROAD		
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Postal Code: PROPERTY NUMBE Property Application Number CORRESPONDENC Fax Number: <i>Correspondence wil</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	10504 ERS Total: 1 Type r: (301)261 // be sent via US II 410-573- gunther@ ne: Gibb & R 2568-A R SUITE 30 ANNAPC	12034964 -8825 <i>Mail when the fax attempt is unsuccessful.</i> 1545 gjibb-rahman.com ahman, LLC RIVA ROAD 04 DLIS, MARYLAND 21401		

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<u>ASSIGNMENT</u>

INVENTOR AND CITY Whereas, we

(1) Rajesh Manjrekar
 County of Santa Clara
 (2) Berthold Reinwald
 County of Santa Clara
 (3) Yannis Sismanis
 County of Santa Clara
 (4) Wensheng Wu
 County of Santa Clara

of San Jose, and State of CA, of San Jose, and State of CA, of San Jose, and State of CA, of San Jose, and State of CA,

have invented certain improvements in

DISCOVERING TOPICAL STRUCTURES OF DATABASES

DATES THAT INVENTORS SIGNED THE

TITLE

and executed, respectively, a United States patent application therefor on (1) 2/14/, 2008, (2) _____, 2008, and

(3)_____, 2008, (4)_____, 2008.

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 inventions 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.

Signed and sealed

Ratesh Manirekar

Berthold Reinwald

Yannis Sismanis

Wensheng Wu

on_		 2008
on	and the second second	2008

on 2/14/ ,2008

PATENT REEL: 020544 FRAME: 0225

ASSIGNMENT

Whereas, we

INVENTOR AND CITY

(1) Rajesh Manjrekar
County of Santa Clara
(2) Berthold Reinwald
County of Santa Clara
(3) Yannis Sismanis
County of Santa Clara
(4) Wensheng Wu
County of Santa Clara

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2./12____, 2008, (2)2./12____, 2008, and

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Signed and sealed

Rajesh Magjrekar	
13 Renubld	
Berthold Reinwald	

Yannis Şismanis

Wensheng Wu

⊅/Z d

on _	, 2008
on	2/12,2008
on _	. 2008

on _____ , 2008

aqjшjesn PATENŢL:ζL <u></u>2L-20-8002 REEL: 020544 FRAME: 0226

<u>ASSIGNMENT</u>

Whereas, we

INVENTOR AND CITY

(1) Rajesh Manjrekar
County of Santa Clara
(2) Berthold Reinwald
County of Santa Clara
(3) Yannis Slsmanis
County of Santa Clara
(4) Wensheng Wu
County of Santa Clara

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have invented certain improvements in

TITLE DISCOVERING TOPICAL STRUCTURES OF DATABASES

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(1) _____, 2008, (2) ____, 2008, and (3) 2/18/, 2008, (4) ____, 2008.

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Signed and sealed

Rajesh Manjrekar	 on, 2008
Berthold Reinwald	 on, 2008
Yangis Sismanis John 35	 on <u>2/18/</u> , 2008
John 75 Wensheng Wu	 on, 2008

PATENT REEL: 020544 FRAME: 0227

ASSIGNMENT

Whereas, we

INVENTOR AND CITY

(1) Rajesh Manjrekar
County of Santa Clara
(2) Berthold Reinwald
County of Santa Clara
(3) Yannis Sismanis
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 (1)
 , 2008, (2)
 , 2008, and

 (3)
 , 2008, (4)
 February U3 2008.

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Signed and sealed

	on	, 2008
Rajesh Manjrekar		
Berthold Reinwald	on	, 2008
	on	, 2008
Yannis Sismanis		
Nensheng War	on 02/13	, 2008
Wensheng Wu \bigtriangledown		

RECORDED: 02/21/2008