U.S. DEPARTMENT OF COMMERCE ited States Patent and Trademark Office

Rorm PTO ₋ 1595 (Rev. 09/04) QMB No. 0651-0027 (exp. 6/30/2005)		03-17-2005
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I and the second se	>ket No. : A35372-PCT-USA-A (070050,2688)
To the Director of the U.S. Patent and Tr. 1029	nents or the new address(es) below.
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
Kathleen R. McKeown - 02/24/05 Regina Barzilay - 02/28/2005 Dave Evans - 02/23/2005 Vasilis Hatzivassiloglou - 02/24/2005 Judith Klavans - 02/25/2005	Name: The Trustees of Columbia University in the City of New York Internal Address:
Execution Date(s) - 02/28/2005 - 02/23/2005 - 02/ Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 116th Street and Broadway
3. Nature of conveyance:	
✓ Assignment Merger	City: New York
Security Agreement Change of Name	State: New York
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: United States Zip: 10027
Other	Additional name(s) & address(es) attached? Yes V No
Additional numbers at	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Baker Botts L.L.P.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address:	Authorized to be charged by credit card Authorized to be charged to deposit account
Street Address: 30 Rockefeller Plaza, 44th Floor	✓ Enclosed None required (government interest not affecting title)
City: New York	8. Payment Information
State: New York Zip: 10112	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 212-408-2500	b. Deposit Account Number 02-4377
Fax Number: 212-408-2501	
Email Address:	Authorized User Name Baker Botts L.L.P.
9. Signature: Signature	03/04/2005 Date
Paul A. Ragusa Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMER Patent and Trademark Off
To the Honorable Commissioner of Patents and Trademarks: Please re	ecord the attached original documents or copy thereof.
10. Additional Names of assigning party(ies): Ani Nenkova - 02/22/2005 Barry Schiffman - 02/23/2005	10a. Additional Names of receiving party(ies): 10a. Additional Names of receiving party(ies):
A. Patent Application No.(s) A. Patent Application No.(s)	B. Patent Registration No.(s)
Page of	
Do not detact Mail documents to be recorded with required cover sheet information Commissioner of Paten Box Assignments Alexandria, VA 22313-	ts and Trademarks

ASSIGNMENT

WHEREAS, WE, KATHLEEN R. MCKEOWN, REGINA BARZILAY, DAVE EVANS, VASILEIOS HATZIVASSILOGLOU, JUDITH KLAVANS, ANI NENKOVA, and BARRY SCHIFFMAN, citizens of The United States of America, Israel, The United States of America, Greece, The United States of America, Bulgaria, and The United States of America, whose post office addresses are 20 Prospect Road, Wayne, NJ 07470, 116th Street and Brodway, New York, NY 10027, and 116th Street and Brodway, New York, NY 10027, respectively, have made an invention entitled "SYSTEM AND METHOD FOR DOCUMENT COLLECTION, GROUPING AND SUMMARIZATION," and

WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, having its principal place of business at 116th Street and Broadway, New York, New York 10027, is desirous of acquiring the whole right, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said inventors, KATHLEEN R. MCKEOWN, REGINA BARZILAY, DAVE EVANS. VASILIS HATZIVASSILOGLOU, JUDITH KLAVANS, ANI NENKOVA, and BARRY SCHIFFMAN, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to me in hand paid by said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, and other valuable considerations unto us moving from said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK. its successors and assigns, the entire right, title and interest in and to the said invention "SYSTEM AND METHOD FOR DOCUMENT COLLECTION, GROUPING AND SUMMARIZATION" and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said KATHLEEN R. MCKEOWN, REGINA BARZILAY, DAVE EVANS, VASILIS HATZIVASSILOGLOU, JUDITH KLAVANS, ANI NENKOVA, and BARRY SCHIFFMAN, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, as the assignee of the entire right, NY02:509172.1

title and interest in and to the same, for the sole use and benefit of said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns;

AND WE, the said KATHLEEN R. MCKEOWN, REGINA BARZILAY, DAVE EVANS, VASILIS HATZIVASSILOGLOU, JUDITH KLAVANS, ANI NENKOVA, and BARRY SCHIFFMAN, for the considerations aforesaid, do hereby covenant and agree to and with said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, may be required or necessary more effectively to secure to and vest in said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, I, the said KATHLEEN R. MCKEOWN, have hereunto set my hand and seal.

KATHLEEN R. MCKEOWN

STATE OF New York

COUNTY OF New York

Notary Public

G. JIMMY MA
Notary Public, State of New York
No. 01MA6116017
Qualified in New York County
Commission Expires Sept. 20, 2008

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A35372-PCT-USA-A (070050.2688)

IN WITNESS WHEREOF, I, the said REGINA BARZILAY, have hereunto set my hand and seal. REGINA BARZILAY COUNTY OF BE IT KNOWN, that on this day of recover, 2005, before me personally came REGINA BARZILAY, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and the acknowledged to me that the executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this abday of reaction 2005. Notary Public Maria T. Sensale **Notary Public** My Commission Expires: February 27, 2009 IN WITNESS WHEREOF, I, the said DAVE EVANS, have hereunto set my hand and scal. DAVE EVANS STATE OF :88: COUNTY OF BE IT KNOWN, that on this _____ day of _____, 2005, before me personally came DAVE EVANS, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this ____day of _______, 2005. Notary Public

NY02:509172.1

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and seal. **REGINA BARZILAY** STATE OF) :ss: COUNTY OF BE IT KNOWN, that on this _____ day of ______, 2005, before me personally came REGINA BARZILAY, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this ______ day of _______, 2005. Notary Public IN WITNESS WHEREOF, I, the said DAVE EVANS, have hereunto set my hand and seal. STATE OF n.y. COUNTY OF n. y. BE IT KNOWN, that on this 23 day of Feb., 2005, before me personally came DAVE EVANS, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 23 day of 2005. FLORENCE J GRANT Notary Public - State of New York 3 NO. 01GR4666482 NY02:509172.1 Qualified in New York County My Commission Expires Mar 30, 20 06

IN WITNESS WHEREOF, I, the said REGINA BARZILAY, have hereunto set my hand

FILE NO.: A35372-PCT-USA-A (070050.2688)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and · belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	LAST NAME MCKEOWN	FIRST NAME	MIDDLE NAME		
	MCKEOWN	KATHLEEN		R.	
RESIDENCE & CITIZENSHIP	CITY Wayne	STATE or FOREIGN COUNTRY NJ	COUNTRY OF CITIZEN US	COUNTRY OF CITIZENSHIP US	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE or COUNTRY	ZIP CODE	
	20 Prospect Road	Wayne	NJ	07470	
DATE	SIGNATURE OF INVENTOR LEON				
FULL NAME SECOND INVENTOR	LAST NAME BARZILAY	FIRST NAME REGINA	MIDDLE NAME		
RESIDENCE & CITIZENSHIP	CITY New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CITIZENSHIP		
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE or COUNTRY	ZIP CODE	
ADDRESS	116th Street and Broadway	New York	NY	10027	
DATE	SIGNATURE OF INVENTOR			N1 10027	
FULL NAME OF THIRD	LAST NAME	FIRST NAME	MIDDLE NAME		
INVENTOR	EVANS	DAVE		MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE or FOREIGN COUNTRY	COUNTRY OF CITIZEN	ISHIP	
	New York	NY	US		
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE or COUNTRY	ZIP CODE	
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ADDRESS	116th Street and Broadway	New York	NY	10027	
ADDRESS DATE	SIGNATURE OF INVENTOR		NY	10027	
ADDRESS DATE FULL NAME OF FOURTH INVENTOR	LAST NAME HATZIVASSILOGLOU	FIRST NAME VASILEIO		10027	
ADDRESS DATE FULL NAME OF FOURTH INVENTOR	LAST NAME HATZIVASSILOGLOU CITY	FIRST NAME STATE or FOREIGN COUNTRY	MIDDLE NAME COUNTRY OF CITIZEN	SHIP	
ADDRESS DATE FULL NAME OF FOURTH INVENTOR RESIDENCE & CITIZENSHIP	LAST NAME HATZIVASSILOGLOU CITY New York	FIRST NAME VASILEIC	MIDDLE NAME COUNTRY OF CITIZEN	SHIP	
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PATENT

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

TTE NAME OF SOLE PREFISE INVENTOR	LAST NAME MCKEOWN	FIRST NAME KATHLEEN	MIDDLE NAME R.		
ENDENCE & CITIZENSHIP	CTTY Wayne	STATE or FOREIGN COUNTRY NJ	COUNTRY OF CITIZENSHIP US		
OST OFFICE ADDRESS	POST OFFICE ADDRESS 20 Prospect Road	CITY Wayne	STATE or COUNTRY ZIP CODE NJ 07470		
ATE	SIGNATURE OF INVENTOR		10/4/0		
THE NAME SECOND SVENTOR	EAST NAME BARZILAY	FIRST NAME REGI M A	MIDDLE NAMI-		
GISIDENUL & CUIZENSHIP	CHY New York	STATE of FOREIGN COUNTRY NY	COUNTRY OF CHIZENSHIP		
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	crry New York	STATE OF COUNTRY ZIP COIN NY 10027		
PATE	SIGNATURE OF INVENTOR		NY 10027		
TULL NAME OF THIRD NATION	LAST NAME EVANS	FIRST NAME DAVE	MIDDLE NAME		
RESIDENCE & CHIZENSHIP	CITY New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CITIZENSHIP US		
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	COLY New York	STATE OF COUNTRY	им соры 10027	
DAIL	SIGNATURE OF INVENTOR				
FULL NAME OF FOURTH	LAST NAME HATZIVASSILOGLOU	FIRST NAME VASILIS	MIDDLENAME		
RESIDENCE & CTUZENSHIP	CTTY New York	STATE or FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP US		
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE or COUNTRY ZIP CODE NY 10027		
DATE	SIGNATURE OF INVENTOR				
TULL NAME OF FIFTH INVENTOR	LAST NAME KLAVANS	FIRST NAME; JUDITH	MIDDLE NAME		
RESIDENCE & CHAZENSHIP	crry New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CUTZENSHIP US		
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE or COUNTRY NY	ии сорь 10027	
DATE:	SIGNATURE OF INVENTOR			· · ·	
FULL NAME OF SIXTH INVENTOR	LAST NAME NENKOVA	FIRST NAME.	MIDDLENAME		
RESIDENCE & CITIZENSIIII	CITY New York	STATE or FORFIGN COUNTRY NY	COUNTRY OF CETTZENSHIP US		
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE OF COUNTRY ZIP COD NY 10027		
DATE	SIGNATURE OF INVENTOR	,		110021	

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BAKER BOTTS L.L.P. FILE NO.: A35372-PCT-USA-A (070050.2688)

INVENTOR	SCHIFFMAN	FIRST NAME BARRY	MIDDLE NAME COUNTRY OF CITIZENSHIP US	
RESIDENCE & CITIZENSHIP	CITY New York	STATE or FOREIGN COUNTRY NY		
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE or COUNTRY	ZIP CODE 10027

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		A35372-PCT-USA-A (070050.2688)
END ANDEREN SECTION	e manueron i da add	VASILA HATZIVASSILOGLOU, have hereunto
		VASILING HATZIVASSIEUCHOU, nave nercunio
set my hand and scal	ι.	•
		$M11 \cdot AA$
		VHatzivassiloglau VASILE HATZIVASSILOGLOU
		VASILIS HATZIVASSILOGLOU
STATE OF TEXAS)	
COUNTY OPCOLL	:ss:	
COUNTY OF COLLIN	9)	
mentioned in and we executed the same	who executed the foregoin as his free act and de ND SWORN before me, to	day of February. 2005, before me personally me known and known to me to be the person g assignment, and he acknowledged to me that he ed for the use and purposes therein mentioned, the undersigned authority, by on this 20 day of
3		
		()
		Notary Public
		Notary Public
		•
IN WITNE	SS WHEREOF, I, the said	d JUDITH KLAVANS, have hereunto set my hand
		JUDITH KLAVANS
STATE OF	1	JUDITH KLAYANS
SIMESOF	; :\$\$;	
COUNTY OF)	
who executed the tas his free act and	AVANS, to me known at foregoing assignment, and deed for the use and p	day of
		Notary Public
		racially i divine

NV02:509172.1

		VASILIS HATZIVASSILOGLOU
STATE OF)	
COUNTY OF	:ss:)	
came VASILIS H. mentioned in and v executed the same SUBSCRIBED AN	ATZIVASSILOG who executed the as his free act	day of, 2005, before me personally LOU, to me known and known to me to be the person foregoing assignment, and he acknowledged to me that he and deed for the use and purposes therein mentioned are me, the undersigned authority, by on this day of
		Notary Public
IN WITNE and seal.	SS WHEREOF, I	, the said JUDITH KLAVANS, have hereunto set my hand July Lewes JUDITH KLAVANS
STATE OF)	, John Real May
COUNTY OF	:ss:)	
BE IT KN came JUDITH KL who executed the as his free act an SWORN before m	AVANS, to me ke foregoing assignment of deed for the use	his 25 day of <u>February</u> 2005, before me personally known and known to me to be the person mentioned in and ment, and he acknowledged to me that he executed the same see and purposes therein mentioned. SUBSCRIBED ANI authority, by on this 25 day of <u>February</u> , 2005. Amangle Saloa Notary Public
NY02:509172-1		4 .

IN WITNESS WHEREOF, I, the said VASILIS HATZIVASSILOGLOU, have hereunto

set my hand and seal.

IN WITNESS WHEREOF, I, the said ANI NENKOVA, have hereunto set my hand and seal.
Au
STATE OF New York) :ss: COUNTY OF New York
COUNTY OF New York
BE IT KNOWN, that on this 22 day of 6, 2005, before me personally came ANI NENKOVA, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 22 day of 6, 2005. Notary Public
G. JIMMY MA Notary Public, State of New York
No. 01MA6116017 Qualified in New York County Commission Expires Sept. 20, 2008
IN WITNESS WHEREOF, I, the said BARRY SCHIFFMAN, have hereunto set my hand and seal.
BARRY SCHIFFMAN
STATE OF ny)
COUNTY OF my)
BE IT KNOWN, that on this
Homeway Man of
Notary Public
NY02:509172.1 5 FLORENCE J GRANT Notary Public - State of New York NO. 01GR4666482 Qualified in New York County My Commission Expires Mar 30, 2006

A hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	LAST NAME MCKEOWN	FIRST NAME KATHLEEN	MIDDLE NAME R.			
ESIDENCE & CITIZENSHIP	CITY Wayne	STATE or FOREIGN COUNTRY NJ	COUNTRY OF CITIZENSHIP US			
OSLOFFICE DDRESS	POST OFFICE ADDRESS 20 Prospect Road	CITY Wayne	STATE of COUNTRY NJ	ZIP CODE 07470		
MI	SIGNATURE OF INVENTOR CLEON					
ULL NAME SECOND	LAST NAME BARZILAY	FIRST NAME REGIA	MIDDLE NAME			
O SOPESCE & CHIZENSHIP	CITY New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CHIZENSHIP US			
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE of COUNTRY ZIP CODE NY 10027			
YIF	SIGNATURE OF INVENTOR					
ELL NAME OF THIRD NATSTOR	LAST NAME EVANS	FIRST NAME DAVE	MIDDLE NAME			
IG SIDENCE & CUTZENSHIP	CITY New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CITIZENSHIP US			
POST OFFICE NODRESS	POST OFFICE ADDRESS 116th Street and Broadway	New York	STATE OF COUNTRY ZIP COUNTRY 10027			
DATE	SIGNATURE OF INVENTOR					
FULL NAME OF FOURTH INVENTOR	LAST NAME HATZIVASSILOGLOU	FIRST NAME VASILIS	MIDDLE NAME			
RESIDENCE & CITIZENSHIP	CHY New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CITIZENSHIP US			
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE or COUNTRY ZIP CODE NY 10027			
DAIF	SIGNATURE OF INVENTOR					
IT EL NAME OF HELII INVENTOR	LANT NAME KLAVANS	FIRST NAME JUDITH	MIDDLE NAME			
RESIDENCE & CITIZENSHIP	CITY New York	STATE or FOREIGN COUNTRY NY	COUNTRY OF CITIZENSHIP US			
POST OFFICE ADDRESS	POST OFFICE ADDRESS 116th Street and Broadway	CITY New York	STATE OF COUNTRY ZIP C NY 100			
DVH	SIGNATURE OF INVESTOR RULE	aus				
DELL NAME OF SIX III INVENTOR	LASI MAME NENKOVA	FIRST NAME ANI	MIDDLE NAME	MIDDLE NAME		
	CITY	STATE or FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP US			
RESIDENCE & CITIZENSHIP	New York	NY	STATE or COUNTRY ZIP COD NY 10027			

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RECORDED: 03/04/2005