503975079 08/24/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT R. FRIEDLANDER	02/23/2007
RICHARD A. HENNESSY	02/24/2007
JAMES R. KRAEMER	02/23/2007

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13044074

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NAME OF SUBMITTER:	RYAN T. MCCLEARY
SIGNATURE:	/RYAN T. MCCLEARY/
DATE SIGNED:	08/24/2016

Total Attachments: 6

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> PATENT REEL: 039528 FRAME: 0194

ASSIGNMENT

Whereas, we,

(1) Robert R. Friedlander County of New Haven of Southbury and State of Connecticut

and

(2) Richard A. Hennessy County of Travis

of Austin and State of Texas

and

(3) James R. Kraemer County of Santa Fe of Santa Fe and State of New Mexico

have invented certain improvements in

System and Method for Deriving a Hierarchical Event Based Database Optimized for Pharmaceutical Analysis

and executed,	respectively, a	United	States	patent applicat	ion therefore	On
(Dates Invento	rs Signed Declar	ation)	(1) 02	patent applicat		
(2)			and (3)		*	

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 therefore:

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 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	Southbury	Ct.	on_	02/	23/0;	7
		and here a made of	tate		date		

Robert R. Friedlander

and	(2)	Signed a	t		on		
			city a	and state		date	
						Richard A	. Hennessy
and	(3)	Signed a	tcity &	and state	on	date	·
				<i></i>		James !	R. Kraemer

ASSIGNMENT

Whereas, we,	
(1) Robert R. Friedlander County of New Haven	of <u>Southbury</u> and State of <u>Connecticut</u>
and	
(2) Richard A. Hennessy County of Travis	of <u>Austin</u> and State of <u>Texas</u>
and	
(3) James R. Kraemer County of Santa Fe	of <u>Santa Fe</u> and <u>State of New Mexico</u>
have invented certain improvements	ín
System and Method for Derivin Optimized for :	g a Hierarchical Event Based Database Pharmaceutical Analysis
and executed, respectively, a Unit (Dates Inventors Signed Declaration (2) 2-24-2001	ted States patent application therefore on (1), , and (3)
New York, having a place of busine called IBM), desires to acquire the	ESS MACHINES CORPORATION, a corporation of ss at Armonk, New York 10504, (hereinafter se entire right, title and interest in the d to any United States and foreign patents
acknowledged, we, the above name IBM, its successors and assigns, to said application and invention the foreign countries, and all rights said United States application, and issue any Letters Patent granted application to IBM, its successors may apply for foreign Letters Patent.	e consideration, receipt whereof is hereby d, hereby sell, assign, and transfer to he entire right, title and interest in the erein disclosed for the United States and of priority resulting from the filing of I we request the Commissioner of Patents to Upon the invention set forth in said and assigns; and we hereby agree that IBM ent on said invention and we will execute ion with the United States and foreign so by IBM.
(1) Signed at	on
city and state	date
	Robert R. Friedlander

Page 1 of 2

and	(2)	Signed	at .	city and state	c	n <u>2</u>	24 200 (date	
				_ Kulu	ad A	. Hen	Aichard A.	Hennessy
and	(3)	Signed	at "	city and state	a	n	date	······································
							James R	. Kraemer

ASSIGNMENT

Whereas, we,	
(1) Robert R. Friedlander County of New Haven	of <u>Southbury</u> and State of <u>Connecticut</u>
and	
(2) Richard A. Hennessy County of <u>Travis</u>	of Austin and State of Texas
and	
(3) James R. Kraemer County of <u>Santa Fe</u>	of <u>Santa Fe</u> and State of <u>New Mexico</u>
have invented certain improvements	in
	g a Hierarchical Event Based Database Pharmaceutical Analysis
and executed, respectively, a Unit (Dates Inventors Signed Declaration (2)	ted States patent application therefore on (1) (1), and (3) 23 FFB 67.
New York, having a place of busine called IBM), desires to acquire th	ESS MACHINES CORPORATION, a corporation of ss at Armonk, New York 10504, (hereinafter he entire right, title and interest in the d to any United States and foreign patents
acknowledged, we, the above name, IBM, its successors and assigns, to said application and invention the foreign countries, and all rights said United States application, and issue any Letters Patent granted application to IBM, its successors may apply for foreign Letters Patent.	e consideration, receipt whereof is hereby d, hereby sell, assign, and transfer to he entire right, title and interest in the erein disclosed for the United States and of priority resulting from the filing of we request the Commissioner of Patents to upon the invention set forth in said and assigns; and we hereby agree that IBM ent on said invention and we will execute ion with the United States and foreign so by IBM.
(1) Signed at	on
city and state	date
	Robert R. Friedlander

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				city an	d state	-	*			-
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and	(3)	Signed	at Sant.	Fee	News	Mexico	on	23 F.E	RWZ	
		-	***************************************	city an	d state	Mexico	•	d	ate	

James R. Kraemer