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SIR:





1.	NAME	OF	CONVEYING	PARTY(IES)
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Inventor: Ran Canetti

Address: 203 West 84 Street, Apt. 3A City, State Zip: New York, NY 10024

Additional name(s) of conveying party(ies) attached? Yes

2. NAME(S) AND ADDRESS(ES) OF RECEIVING PARTY(IES)

Company: International Business Machines Corporation

Address: New Orchard Road

City, State Zip: Armonk, NY 10504

Additional name(s) of receiving party(ies) attached? No.

		3. NATURE OF CONV	EYANCE	
	X	Assignment Security Agreement	Execution Date:	
1571602	_	Merger Change of Name	4/30/2000	
	4.	APPLICATION NUMBER(S) OR	PATENT NUMBER(S)	
this document is being filed to	ogether with a	new application, the execution date	of the application is: $5/15/2000$	

5. NAME AND ADDRESS OF PARTY TO WHOM CORRESPONDENCE CONCERNING DOCUMENT SHOULD BE DIRECTED:

A. Patent Application No(s):

Randy W. Lacasse 2001 Jefferson Davis Highway Suite 806 Arlington, VA 22202 (703) 415-1015

6. TOTAL NUMBER OF APPLICATIONS AND PATENTS INVOLVED: 1

B. Patent No(s):

7. TOTAL FEE DUE: \$40.00

9. STATEMENT AND SIGNATURE

Additional numbers attached? No.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy a true copy of the original document.

Randy W. Lacasse Name

Total number of pages including cover sheet, attachments, and document: 10

REEL: 010802 FRAME: 0398

Additional Name(s) of Conveying Party(ies):

Name: Moses Samson Charikar Address: 704 Campus Drive 15-N City, State Zip: Stanford, CA 94305

Name: Sridhar Rajagopalan

Address: 1010 Foxchase Drive, #118 City, State Zip: San Jose, CA 95123

Name: Shanmugasundaram Ravikumar Address: 5460 Lean Avenue, Apt. #202 City, State Zip: San Jose, CA 95123

Name: Amit Sahai

Address: 3054 Windrift Court

City, State Zip: Thousand Oaks, CA 91360

Name: Andrew S. Tomkins

Address: 3613 Copperfield Drive #336 City, State Zip: San Jose, CA 95136

Whereas, we,

(1) Ran Canetti County of New York	of New York,
and (2) Moses Samson Charikar	and State of NY, of Stanford,
County of Santa Clara	and State of CA,
and (3) Sridhar Rajagopalan	of San Jose,
County of Santa Clara	and State of CA,
and (4) Shanmugasundaram Ravikumar	of San Jose,
County of Santa Clara	and State of CA,
and (5) Amit Sahai	of Cambridge,
County of Middlesex	and State of MA,
and (6) Andrew S. Tomkins	of San Jose,
County of Santa Clara	and State of CA,
3	and state of off,
have invented certain improvements in	
Non-Transferable Anonymous Credentials	
and executed, respectively, a United States paten	t annication therefore on
and executed, respectively, a Officer States pater	t application therefore on
(1) April 5 , 2000, (2)	. 2000. (3)
(1) <u>April 5</u> , 2000, (2) (4), 2000, (5)	
having a place of business at Armonk, New York entire right, title and interest in the said application patents to be obtained therefore; Now therefore, for a valuable consideration, recent named, hereby sell, assign, and transfer to IBM, is	HINES CORPORATION, a corporation of New York, a 10504, (hereinafter called IBM), desires to acquire the on and invention, and to any United States and foreign ipt whereof is hereby acknowledged, we, the above its successors and assigns, the entire right, title and simplication of the Harita Life.
interest in the said application and invention ther countries,	C
Commissioner of Patents to issue any Letters Pat application to IBM, its successors and assigns; ar Letters Patent on said invention and we will exec	nd we hereby agree that IBM may apply for foreign oute all papers necessary in connection with the United
States and foreign applications when called upon	to do so by IBM.
Signed and sealed:	,
(1) at NEW YORK, NY	Ran Canetto
Amora gan	Ran Canetti

AM9-99-0098 Page 1 of 2

(2) at			
on	, 2000	Moses Samson Charikar	
(3) at			
on	, 2000	Sridhar Rajagopalan	
(4) at			
on	, 2000	Shanmugasundaram Ravikumar	
(5) at			
on	, 2000	Amit Sahai	
(6) at			<i>F</i>
on	, 2000	Andrew S. Tomkins	

Whereas, we,

(1) Ran Canetti				of Many Would	
County of New Yo	vel z			of New York,	X.7
and (2) Moses Sar				and State of N	Ι,
County of Santa C				of Stanford,	
and (3) Sridhar Ra				and State of CA	•
` '	3 Q I			of San Jose,	
County of Santa C		!1		and State of CA	,
and (4) Shanmuga		ikumar		of San Jose,	
County of Santa C				and State of CA	
and (5) Amit Saha				of Cambridge,	
County of Middles				and State of MA	Λ,
and (6) Andrew S				of San Jose,	_
County of Santa C	lara			and State of CA	<i>-, </i>
have invented certai	n improvements	in			
Non-Transferable A	nonymous Crede	entials			
and executed, respec	ctively, a United	States patent	application there	fore on	
(1)	, 2000, (2)		, 2000, (3)		2000.
(1)(4)	_, 2000, (5)	April 30	_, 2000, (6)	, 20	000.
entire right, title and patents to be obtained. Now therefore, for a	siness at Armon interest in the s ed therefore; valuable consid	k, New York aid application leration, recei	10504, (hereinaften and invention, and invention, and pt whereof is here	er called IBM), dand to any United	lesires to acquire the distates and foreign d, we, the above
named, hereby sell, a interest in the said a countries,				~	<u> </u>
and all rights of prio Commissioner of Pa application to IBM, Letters Patent on sai States and foreign a	tents to issue an its successors ard invention and	y Letters Pate nd assigns; an we will exect	ent granted upon t d we hereby agre ute all papers nec	the inventions set e that IBM may a	forth in said apply for foreign
Signed and sealed:					
(1) at		_			
on	, 2000	ì	Ran Canetti		

(2) at		
on	_, 2000	Moses Samson Charikar
(3) at		
on	_, 2000	Sridhar Rajagopalan
(4) at		
on	_, 2000	Shanmugasundaram Ravikumar
(5) atM/T Cambr	idge, MA	HAM
on 4/30	_, 2000	Amit Sahai
(6) at		
on	_, 2000	Andrew S. Tomkins

Whereas, we,

County of New York and (2) Moses Samson Charikar County of Santa Clara and (3) Sridhar Rajagopalan County of Santa Clara and (4) Shanmugasundaram Ravikumar County of Santa Clara and (5) Amit Sahai County of Middlesex and (6) Andrew S. Tomkins County of Santa Clara	of New York, and State of NY, of Stanford, and State of CA, of San Jose, and State of CA, of San Jose, and State of CA, of Cambridge, and State of MA, of San Jose, and State of MA,
nave invented certain improvements in	
Non-Transferable Anonymous Credentials	
and executed, respectively, a United States pater	nt application therefore on
(1), 2000, (2) (4)April 5, 2000, (5)	, 2000, (3), 2000,, 2000,, 2000,, 2000. CHINES CORPORATION, a corporation of New York,
naving a place of business at Armonk, New Yor	k 10504, (hereinafter called IBM), desires to acquire the ion and invention, and to any United States and foreign
named, hereby sell, assign, and transfer to IBM, interest in the said application and invention the countries, and all rights of priority resulting from the filing Commissioner of Patents to issue any Letters Papplication to IBM, its successors and assigns; a	g of said United States application, and we request the stent granted upon the inventions set forth in said and we hereby agree that IBM may apply for foreign
States and foreign applications when called upor	cute all papers necessary in connection with the United n to do so by IBM.
and to the appropriations when cannot upon	
Signed and sealed:	
(1) at	
on, 2000	Ran Canetti

(2) at		
on	_, 2000	Moses Samson Charikar
(3) at Jose, CA	,	Sudhan Og appl
on April or	_, 2000	Sridhar Rajagopalan
(4) at San Jose, (A		Said
on APRIL 5	, 2000	Shanmugasundaram Ravikumar
(5) at		
on	, 2000	Amit Sahai
(6) at Son lose, CA		Jan
on 4/6	, 2000	Andrew S. Tomkins

Whereas, we,

(1) Ran Canetti County of New York and (2) Moses Samson Charikar County of Santa Clara and (3) Sridhar Rajagopalan County of Santa Clara and (4) Shanmugasundaram Ravikumar County of Santa Clara and (5) Amit Sahai County of Middlesex and (6) Andrew S. Tomkins County of Santa Clara	of New York, and State of NY, of Stanford, and State of CA, of San Jose, and State of CA, of San Jose, and State of CA, of Cambridge, and State of MA, of San Jose, and State of CA,
have invented certain improvements in	and State of Cri,
Non-Transferable Anonymous Credentials	
and executed, respectively, a United States pater	nt application therefore on
(1), 2000, (2)April_ (4), 2000, (5)	16_, 2000, (3), 2000,, 2000.
Whereas, INTERNATIONAL BUSINESS MAC having a place of business at Armonk, New Yor	CHINES CORPORATION, a corporation of New York, k 10504, (hereinafter called IBM), desires to acquire the ion and invention, and to any United States and foreign
named, hereby sell, assign, and transfer to IBM, interest in the said application and invention the countries, and all rights of priority resulting from the filing	g of said United States application, and we request the
application to IBM, its successors and assigns; a	atent granted upon the inventions set forth in said and we hereby agree that IBM may apply for foreign ecute all papers necessary in connection with the United in to do so by IBM.
Signed and sealed:	
(1) at	
on, 2000	Ran Canetti

(2) at STANFORD, CA		Charker.
on APRIL 16		Moses Samson Charikar
(3) at		
on	, 2000	Sridhar Rajagopalan
(4) at		
on	, 2000	Shanmugasundaram Ravikumar
(5) at		
on	, 2000	Amit Sahai
(6) at		
on	, 2000	Andrew S. Tomkins

RECORDED: 05/15/2000