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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Robert HAAS	03/07/2008
Nils HAUSTEIN	03/05/2008
Craig Anthony KLEIN	03/04/2008
UIF TROPPENS	03/04/2008
Daniel James WINARSKI	03/03/2008

RECEIVING PARTY DATA

Name:	International Business Machines Corporation
Street Address:	New Orchard Rd
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12049186

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ATTORNEY DOCKET NUMBER:	TUC920070166US1 (18.256)
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NAME OF SUBMITTER: Selin Kasparian

PATENT REEL: 020891 FRAME: 0486

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Total Attachments: 8

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PATENT REEL: 020891 FRAME: 0487

ASSIGNMENT

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Whereas, we		
(1) Robert HAAS	of Adkuswuk, CH	
(2) Nils HAUSTEIN	of D-55270 Soergenloch, Germany	
(3) Craig Anthony KLEIN	of Tucson, State of Arizona, and County of Pima	
(4) UIF TROPPENS	of Mainz, DE	
(5) Daniel James WINARSKI	of Tucson, State of Arizona, and County of Pima	
have invented certain improvement	ents in:	
LIMITING DEDUPLICATION	N BASED ON PREDETERMINED CRITERIA	
and executed, respectively, a Uni	ited States patent application therefore on:	
(1), 2008,	(2), 2008, (3) 3-4 , (5)3-3, 2008	2008, (4)
, 2008 and	(5) 3 - 3, 2008	
Whereas, INTERNATION York, having a place of business	NAL BUSINESS MACHINES CORPORATION, a corporate st Armonk, New York 10504, (hereinafter called IBM CO to title and interest in the said application and invention, and	tion of New RPORATION),
named, hereby sell, assign, and tright, title and interest in the said foreign countries, and in all forei United States application, and I rupon the invention set forth in sa hereby agree that IBM CORPOR	ble consideration, receipt whereof is hereby acknowledged, transfer to IBM CORPORATION, its successors and assign application and invention therein disclosed for the United ign countries, and all rights of priority resulting from the fil request the Commissioner of Patents to issue any Letters Patent application to IBM CORPORATION, its successors and RATION may apply for foreign Letters Patent on said inventonmention with the United States and foreign applications was ATION.	s, the entire States and ling of said litent granted l assigns; and I lition and I will
Signed and sealed		
(1) at		SIGNATURE INVENTOR
on, 2008	Robert HAAS	-

CITY DATE

CITY	(2) at		SIGNATURE INVENTOR
DATE			INVENTOR
	on,	NAME AND ADDRESS OF THE PROPERTY OF THE PROPER	
	2008	Nils HAUSTEIN	
CITY	(3) at		SIGNATURE
DATE	TUCSON	1 1 2 2	INVENTOR
	on 3/4,		
}	2008	Craig Anthony KLEIN	
CITY	(4) at		SIGNATURE
DATE	(4) at		INVENTOR
DATE	an		11112111011
	on,	Ulf TROPPENS	
L	2008	UII TROPPENS	L
CITY	(5) at	D 5W	SIGNATURE
DATE	TUCSON		INVENTOR
	on 3-3,	Vamil Htt Vames Winaski	
	2008	Daniel James WINAR KI	

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DATE

on 2008 Patent Docket: TUC920070166U\$1

Firm No. 0018.0256

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Whereas, we	
(1) Robert HAAS	of Adkuswuky Adhiswil mass
(2) Nils HAUSTÉIN	of D-55270 Soergenloch, Germany
(3) Craig Anthony KLEIN	of Tucson, State of Arizona, and County of Pima
(4) UIF TROPPENS	of Mainz, DE
(5) Daniel James WINARSKI	of Tucson, State of Arizona, and County of Pima
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LIMITING DEDUPLICATION BASED ON F	PREDETERMINED CRITERIA
and executed, respectively, a United States patent	application therefore on:
· _ · _ ·	, 2008 , (3), 2008 , (4)
, 2008 and (5)	, 2008
York, having a place of business at Armonk, Nev	MACHINES CORPORATION, a corporation of New 7 York 10504, (hereinafter called IBM CORPORATION), it in the said application and invention, and to any United e;
named, hereby sell, assign, and transfer to IBM C right, title and interest in the said application and foreign countries, and in all foreign countries, and United States application, and I request the Com- upon the invention set forth in said application to hereby agree that IBM CORPORATION may app	corrections whereof is hereby acknowledged, I, the above CORPORATION, its successors and assigns, the entire invention therein disclosed for the United States and all rights of priority resulting from the filing of said missioner of Patents to issue any Letters Patent granted IBM CORPORATION, its successors and assigns; and I poly for foreign Letters Patent on said invention and I will are United States and foreign applications when called
Signed and scaled	

Page 1 of 2

Robert HAAS

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SIGNATURE

INVENTOR

CITY

DATE

CITY DATE

(2) at

on

2008

(3) at

ĊΠ 2008

	 Firm No. 0	018-0256
		SIGNATURE INVENTOR
Nils HAUSTEIN	T d lambour	
		SIGNATURE INVENTOR
Craig Anthony KLEIN		

Patent Docket: TUC920070166US1

CITY	(4) at		SIGNATURE
DATE			INVENTOR
	on -		
	2008	Ulf TROPPENS	

CITY DATE	(5) at		SIGNATURE INVENTOR
	οπ, 2008	Daniel James WINARSKI	

ASS	IGNMENT	
Whereas, we		
(1) Robert HAAS	of Adkuswuk, CH	
(2) Nils HAUSTEIN	of D-55270 Soergenloch, Germany	
(3) Craig Anthony KLEIN	of Tucson, State of Arizona, and County of Pima	
(4) Ulf TROPPENS	of Main∠, DE	
(5) Daniel James WINARSKI	of Tucson, State of Arizona, and County of Pima	
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LIMITING DEDUPLICATION BASED OF	V PREDETERMINED CRITERIA	
and executed, respectively, a United States pat	ent application therefore on:	
(1), 2008, (2) <u>3/3</u>	, 2008 , (3), 2008 ,	(4)
, 2008 and (5)		
York, having a place of business at Armonk, N	SS MACHINES CORPORATION, a corporation of lew York 10504, (hereinafter called IBM CORPOR, rest in the said application and invention, and to any fore;	ATION).
named, hereby sell, assign, and transfer to IBM right, title and interest in the said application at foreign countries, and in all foreign countries, a United States application, and I request the Coupon the invention set forth in said application hereby agree that IBM CORPORATION may a	ion, receipt whereof is hereby acknowledged, I, the a I CORPORATION, its successors and assigns, the end invention therein disclosed for the United States and all rights of priority resulting from the filing of emmissioner of Patents to issue any Letters Patent grate to IBM CORPORATION, its successors and assign apply for foreign Letters Patent on said invention and the United States and foreign applications when ca	ntire and said anted is; and I d I will
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1 ROUGH TIA	. Lig	<u> </u>

Page 1 of 2

CITY DATE

Patent Docket: TUC920070166US1

			Firm No. 0018.0256	
DATE	(2) at Me on 3/5 2008	Ued Lander Nils HAUSTEIN	SIGNATURE INVENTOR	
CITY DATE	(3) at		SIGNATURE INVENTOR	
	on	Craig Anthony KLEIN		
CITY	(4) at		SIGNATURE	
DATE	on		INVENTOR	
	2008	UIF TROPPENS		
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CITY DATE	(5) at		SIGNATURE INVENTOR	
	on, 2008	Devial Issuer WYDIA DOWY		
	4000	Daniel James WINARSKI		

CITY

DATE

(1) at

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2008

Patent Docket: TUC920070166US1 Firm No. 0018.0256

ASSIGNMENT

Whereas, we					
(1) Robert HAAS	of Adkuswuk, CH				
(2) Nils HAUSTEIN	of D-55270 Soergenloch, Germany				
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and executed, respectively, a United States patent application therefore on:					
(1), 2008 , (2)	, 2008 , (3), 2008 , (4), 2008				
May & O4, 2008 and (5)	, 2008				
Whereas, INTERNATIONAL BUSINESS York, having a place of business at Armonk, Net	MACHINES CORPORATION, a corporation of New way York 10504, (bereinafter called IBM CORPORATION), st in the said application and invention, and to any United				
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM CORPORATION, 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 IBM CORPORATION.					
Signed and sealed					

Page 1 of 2

Robert HAAS

PATENT REEL: 020891 FRAME: 0494

SIGNATURE

INVENTOR

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CITY DATE	(2) at		SIGNATURE INVENTOR
	on .		
	2008	Nils HAUSTEIN	
CITY	(3) at		SIGNATURE
DATE	(3)		INVENTOR
	on ,		
	2008	Craig Anthony KLEIN	
CITY	(4) at		SIGNATURE
DATE	on March CX.	leek Trops	INVENTOR
	2008	Ulf TROPPENS	
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CITY	(5) at		SIGNATURE
DATE			INVENTOR
	on .		
1	2008	Daniel James WINARSKI	
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