Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Allen Keith Bates	07/19/2007	
Nils Haustein	07/20/2007	
Craig Anthony Klein	07/19/2007	
Daniel James Winarski	07/19/2007	

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:	11830373	

CORRESPONDENCE DATA

Fax Number: (520)792-3426

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (520) 623-4353

Email: rmendez@chandlerudall.com

Correspondent Name: Dale F. Regelman

Address Line 1: 4801 E. Broadway Blvd, #400
Address Line 4: Tucson, ARIZONA 85711-3609

ATTORNEY DOCKET NUMBER:	TUC920060234US1
NAME OF SUBMITTER:	Dale F. Regelman

Total Attachments: 3

500325871

source=TUC920060234US1_Assign#page1.tif

PATENT REEL: 019629 FRAME: 0517 <u>—</u>СН \$40.0

source=TUC920060234US1_Assign#page2.tif source=TUC920060234US1_Assign#page3.tif

PATENT REEL: 019629 FRAME: 0518

ASSIGNMENT

Docket No. TUC920060234US1 Page 1 of 1

Whereas, we

- (1) Allen Keith Bates of Tucson, County of Pima and State of Arizona, and(2) Nils Haustein of Soergenloch, Federal Republic of Germany, and

	County of Pima and State of Arizona , and on, County of Pima and State of Arizona ,
having invented certain improvemen	nts in
	DD TO OPTIMIZE THE PERFORMANCE OF A PHIC DATA STORAGE SYSTEM
	ed States patent application therefor on
(1) 7 - 19, 200	, 2007
(3), 200	07 (4), 2007.
(hereinafter called title and interest to any United State therefor; Now therefore, for a valuable contact acknowledged, we, the transfer to IBM, is title and interest therein disclosed the and in all foreign resulting from the and we request the Letters Patent grant application to IBM, agree that IBM may invention and we will	ce of business at Armonk, New York 10504, in IBM), desires to acquire the entire right in the said application and invention, are as and foreign patents to be obtained consideration, receipt whereof is hereby the above named, hereby sell, assign, and its successors and assigns, the entire right in the said application and invention for the United States and foreign countries countries, and all rights of priority filing of said United States application, Commissioner of Patents to issue any need upon the inventions set forth in said, its successors and assigns; and we hereh apply for foreign Letters Patent on said ill execute all papers necessary in United States and foreign applications do so by IBM.
(1) at Tucson, AZ	alle Het Batt
on <u>7~19</u> , 2007,	Allen Keith Bates
(2) at Mainz, Germany	
on, 2007,	Nils Haustein
(5) At Tucson, AZ	
on, 2007,	Craig Anthony Klein
(4) at Tucson, AZ	Daniel James Winarski

PATENT REEL: 019629 FRAME: 0519

ASSIGNMENT

Docket No. TUC920060234US1 Page 1 of 1

Whereas, we

microac, no		
(2) Nils Haustein © (3) Craig Anthony K	f Soergenloc lein of Tucs	n, County of Pima and State of Arizona, and th, Federal Republic of Germany, and ton, County of Pima and State of Arizona, and teson, County of Pima and State of Arizona,
having invented cer	tain improve	ments in
APPA		THOD TO OPTIMIZE THE PERFORMANCE OF A FRAPHIC DATA STORAGE SYSTEM
and executed, respe	ctively, a U	United States patent application therefor on
(1)	,	2007 (2) <u>07/20</u> , 2007
(3)		2007 (4), 2007.
to a therefore, for acknown therefore, for acknown transtitle there and results and Lette apple agree investions considered.	any United Strefor; or a valuable mowledged, we asfer to IBM, a and interested in all foreighting from the werequest there are patient of the that IBM appropriate with a called upon	est in the said application and invention, and tates and foreign patents to be obtained a consideration, receipt whereof is hereby the above named, hereby sell, assign, and its successors and assigns, the entire right set in the said application and invention and for the United States and foreign countries ign countries, and all rights of priority the filing of said United States application, the Commissioner of Patents to issue any granted upon the inventions set forth in said IBM, its successors and assigns; and we hereby may apply for foreign Letters Patent on said will execute all papers necessary in the United States and foreign applications in to do so by IBM.
on	_, 2007,	Allen Keith Bates
(2) at Mainz, German 07/20 (3) at Tucson, AZ	any _, 2007,	Nils Haustein
on	_, 2007,	Craig Anthony Klein
(4) at Tucson, AZ	_, 2007.	Daniel James Winarski

PATENT REEL: 019629 FRAME: 0520

ASSIGNMENT

Docket No. TUC920060234US1
Page 1 of 1

		rage + O			
Whereas, we					-
(2) Nils Ha	austein of Soerger Anthony Klein of 1	nloch, Feder Pucson, Coun	al Republ ty of Pir	and State of Ariz Lic of Germany, an Ma and State of Ar Pima and State of	.đ izona, ar
having inv	ented certain imp	rovements in			
		D METHOD TO OLOGRAPHIC D		THE PERFORMANCE C	F A
and execut	ed, respectively,	a United St	ates pate	ent application th	nerefor or
(1) _		, 2007	(2)		_, 2007
(3) _	July 19	, 2007	(4) 10	7 July	_, 2007.
	York, having (hereinafter title and in to any Unite therefor;	a place of called IBM) terest in th d States and	business , desire e said a l foreign	ORATION, a corpora at Armonk, New Yo s to acquire the e pplication and inv patents to be obt receipt whereof is	ork 10504 entire rig vention, a cained
	transfer to title and in therein disc and in all f resulting fr and we reque Letters Pate application agree that I invention an connection w when called	IBM, its sucterest in the losed for the oreign count om the filing st the Community of the IBM, its IBM may apply do we will exith the Unit	ccessors ne said a ne United cries, an ng of sai lssioner upon the successo y for for kecute al ted State	d, hereby sell, as and assigns, the explication and invested and foreign delta and foreign delta and states and foreign set for rs and assigns; as eign Letters Paterla papers necessary, and foreign apple.	entire rivention gn countr riority pplicatio ue any rth in sa nd we her nt on sai y in
(1) at Tuc	son, AZ, 2007,	Al:	len Keith	Bates	and leave and
(2) at Mai	.nz, Germany				
on	, 2007,	Ni	ls Hauste		
(3) at Tuc	cson, AZ				
	/9 , 2007,	Cr	aig Antho	ny Klein	2
(4) at Tu c	son, AZ		Janiel 1	James Winin	shi
on	July , 2007.	Day		s Winarski	

PATENT REEL: 019629 FRAME: 0521

RECORDED: 08/01/2007