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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nils Haustein	03/28/2007
Craig Anthony Klein	03/26/2007
Henry Zheng Liu	03/27/2007
Daniel James Winarski	03/26/2007

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:	11696072

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: srose@chandlerudall.com

Correspondent Name: Dale F. Regelman Address Line 1: 4801 E Broadway

Address Line 2: Suite 400

Address Line 4: Tucson, ARIZONA 85711

ATTORNEY DOCKET NUMBER:	TUC920060194US1	
NAME OF SUBMITTER:	Dale F. Regelman	

PATENT REEL: 019313 FRAME: 0336

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> PATENT REEL: 019313 FRAME: 0337

ASSIGNMENT

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Whereas, we

on 26 March, 2007.

(1) N	lils	Haustein	of	Soergenloch,	Federal	Republic	οf	Germany,
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- (2) Craig Anthony Klein of Tucson, County of Pima and State of Arizona, and (3) Henry Zheng Liu of Tucson, County of Pima and State of Arizona, and

(4) Daniel James Winarski of Tucson, County of Pima and State of Arizona,						
having invented certain improvements in						
APPARATUS AND METHOD TO ENCODE BINARY DATA INTO TRINARY DATA						
	States patent application therefor on					
(1), 2007	(2) March 26, 2007 (4) 26 March, 2007.					
(3) March 27, 2007	(4) <u>26 March</u> , 2007.					
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 therefor; Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United						
IBM.	oplications when called upon to do so by					
(1) at Mainz, Germany on, 2007,	Nils Haustein					
, 2007,	_					
(2) at Tucson, AZ	cja a					
on March 2 (, 2007,	Craig Anthony Klein					
(3) at Tucson, AZ	1/m/2-1					
on March. 27, 2007,	Henry Zheng Liu					
(4) at Tucson, AZ	Daniel James Winashi					

Daniel James Winarski

PATENT REEL: 019313 FRAME: 0338

ASSIGNMENT

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Whereas, we

(2) (3)	Craig Anthon	ony Klein of Tucsey Liu of Tucson,	County of Pima and St	d State of Arizona, and
hav:	ing invented	d certain improve	ments in	
	APP	ARATUS AND METHOI	TO ENCODE BINARY DA	IN INTO TRINARY DATA
and	executed,	respectively, a U	nited States patent a	pplication therefor on
	(1) <u>03/</u>	128	2007 (2)	, 2007
	(3)		2007 (4)	, 2007.
		New York, having 10504, (hereinaf right, title and invention, and tobtained therefore, for a valua acknowledged, I, transfer to IBM, title and interestherein disclose and all rights of United States appatents to issue inventions set fuccessors and a for foreign Lettexecute all papers.	a place of business ter called IBM), desi interest in the said o any United States at; ble consideration, rethe above named, her its successors and a st in the said applied for the United State f priority resulting plication, and I requany Letters Patent corth in said applicates signs; and I hereby ers Patent on said in recessary in connections.	res to acquire the entire application and and foreign patents to be accipt whereof is hereby seby sell, assign, and assigns, the entire right sation and invention are and foreign countries from the filing of said the Commissioner of granted upon the sion to IBM, its agree that IBM may apply
		IBM.	win oken	_
(1) on	at Mainz, 03/28	Germany , 2007,		rn
(2)	at Tucson,	AZ		_
on .		, 2007,	Craig Anthony Kl	ein
(3)	at Tucson,	AZ		
on .		, 2007,	Henry Zheng Liu	
	at Tucson,	AZ, 2007.	Daniel James Wir	araki

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