PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
David Maxwell CANNON	04/16/2008	
Mark Andrew SMITH	04/16/2008	

RECEIVING PARTY DATA

Name:	nternational 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:	12105892

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ATTORNEY DOCKET NUMBER: SJO920070070US1 (37.168)

NAME OF SUBMITTER: Patricia McLaughlin

Total Attachments: 2

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PATENT REEL: 021173 FRAME: 0927

Patent Docket: SJO920070070US1

Firm No. 0037.0168

ASSIGNMENT

Whereas, we

DATE on April C. 2008 David Maxwell CANNON INVENTOR CITY (2) st SIGNATUR				
State of CA, and County of Santa Clara have invented certain improvements in: SPACE RECOVERY WITH STORAGE MANAGEMENT COUPLED WITH A DEDUPLICATING STORAGE SYSTEM and executed, respectively, a United States patent application therefore on: (i) Afri / 6 , 2608 and (2)	(1) David M	axwell CANNON	State of Arizona, and	
SPACE RECOVERY WITH STORAGE MANAGEMENT COUPLED WITH A DEDUPLICATING STORAGE SYSTEM and executed, respectively, a United States patent application therefore on: (1) April 6, 2008 and (2)	(2) Mark An	drew SMITH	State of CA, and	
and executed, respectively, a United States patent application therefore on: (1) Ari///6 2008 and (2)	have invented	certain improvements in:		
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 16504, (hereinafter called IBM CORPORATION), 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, 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 scaled CITY (1) at Tucson David Maxwell Cannon INVENTOR INVENTOR			AGEMENT COUPLED WITH A DEDUPLICATING	
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 16504, (hereinafter called IBM CORPORATION), 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, 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 scaled CITY (1) at Tucson David Maxwell Cannon INVENTOR INVENTOR	and executed,	respectively, a United States pater	nt application therefore on:	
Vork, having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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, 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 scaled CITY (1) at Tucson David Maxwell Cannon SIGNATUR INVENTOR				•
CITY (1) SI TUCSON DAVID MORWELL CAUNON SIGNATUR DATE ON April 16, 2008 David Maxwell CANNON INVENTOR	Now the named, hereby right, title and foreign countr United States : upon the inverhereby agree the execute all pages.	refore, for a valuable consideration sell, assign, and transfer to IBM interest in the said application and les, and in all foreign countries, as application, and I request the Contion set forth in said application that IBM CORPORATION may appears necessary in connection with	on, receipt whereof is hereby acknowledged, I, the above CORPORATION, its successors and assigns, the entire of invention therein disclosed for the United States and all rights of priority resulting from the filing of said amissioner of Patents to issue any Letters Patent grante to IBM CORPORATION, its successors and assigns; and poly for foreign Letters Patent on said invention and I was to the control of t	e d nd I will
DATE on April / 2008 David Maxwell CANNON INVENTOR	Signed and sea	aled		
CITY (2) at	CITY ((1) at <i>Tucson</i> on <i>April 16</i> , 2008	David Maxwell Carn	SIGNATURE INVENTOR
	CITY O	(2) at, 2008	Mark Andrew SMITH	SIGNATURE INVENTOR

Patent Docket: \$JQ920070070U\$1

Firm No. 0037.0168

		ASS	SIGNMENT				
Whereas,	we						
(1) Davi	d Maxwell CANI	NON	of Tueson, State of Arizona County of Pima	, and			
(2) Mark	: Andrew SMITH		of Los Gatos, State of CA, and County of Santa Clara				
have inven	ited certain impro	verticats in:					
SPACE RI STORAGI	ECOVERY WITE ESYSTEM	H STORAGE MA	NAGEMENT COUP	LED WITH A DEDU	PLICATING		
and execut	od, respectively,	a United States pa	tent application there!	ore on:			
(1)			, 2008				
York, havidesires to a States and Now named, her right, title a foreign con United State upon the ir hereby agreeceute all	ng a place of businequire the entire foreign patents to therefore, for a verby sell, assign, and interest in the intries, and in all les application, and vention set forth ce that IBM COR	iness at Armonk, I right, title and into be obtained there raluable considera and transfer to IBP said application a foreign countries, and I request the Co- in said application PORATION may in connection with	SS MACHINES COR New York 10504, (her erest in the said applica- afore; tion, receipt whereof in M CORPORATION, in and invention therein of and all rights of prior commissioner of Patent in to IBM CORPORAT apply for foreign Lett the United States and	cinafter called IBM Cation and invention, a s hereby acknowledge ts successors and assi- disclosed for the Unite ity resulting from the s to issue any Letters PiON, its successors a ters Patent on said inv	ed, I, the above gns, the entire ed States and filing of said Patent granted and assigns; and cention and I we	ed	
Signed and	l sealed						
CITY DATE	(1) at on		David Maxwell CAN	√NON	- · -	SIGNATURE INVENTOR	
CITY DATE	(2) at San on 4/16/	7052 (A	Mark Andrew SMIT	н		SIGNATURE INVENTOR	

Page 1 of 1

PATENT REEL: 021173 FRAME: 0929