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PATENTS ONLI

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Department of Commerce Trademark Office

•	Name of conveying party(ies): Akira Kibashi Hideo Asano Daniel J. Colegrove 2. Name and address of receiving party(ies): International Business Machines Corporation	
	Street Address: New Orchard Road City: Armonk State: NY ZIP: 10504	
	Additional name(s) of conveying Additional name(s) & address(es) attached? party(ies) attachedYes XX NoYes XX No	
	Nature of conveyance:	
	XX Assignment Execution Date: August 30, 2000, August 30, 2000, October 6, 2000	
aj	Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the oplication is: A. Patent Application No.(s) B. Patent No.(s)	he
	09/575,207 Additional numbers attached?Yes XX No	
	Name and address of party to whom correspondence concerning document should be mailed: Robert B. Martin	
	Name: IBM Corporation 7. Total fee (37 CFR 3.41)\$40.00 Internal Enclosed	
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ASSIGNMENT

INVENTOR	Whereas, we			
AND CITY	(1)Akira Kibashi County of	of Zama-shi, and State of Kanagawa-K	en, Japan	
	and (2) Hideo Asano County of	of Machida-shi, and State of Tokyo-To,	Japan	
	and (3)Daniel J. Colegrove County of Santa Clara	of Morgan Hill, and State of California		
	have invented certain improvement	ents in		
TITLE METH	OD AND APPARATUS FOR PREDICTING	RECOVERY TIME OF HARD DISK DRIVE		
DATES THAT	and executed, respectively, a United States patent application therefor on			
INVENTORS SIGNED THE DECLARATION	IED THE (1) August 30, 2000, , (2) August 30,2000, (3), ,			
	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, we, 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 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 we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.			
	Signed and sealed			
CITY DATE	on August 30 2000,	Akira Kibashi	SIGNATURE INVENTOR	
CITY DATE	and (2) at Fujisawa on August 302000,	Redeolsano Hideo Asano	SIGNATURE INVENTOR	

Daniel J. Colegrove

and (3) at _____, ,

CITY

DATE

PATENT REEL: 011288 FRAME: 0913

SIGNATURE

INVENTOR

T.W. T.W. T.	Whereas, we					
INVENTOR AND CITY	(1)Akira Kibashi County of	of Zama-shi, and State of Kanagawa-Ke	en, Japan			
	and (2) Hideo Asano County of	of Machida-shi, and State of Tokyo-To, S	Japan			
	and (3)Daniel J. Colegrove County of Santa Clara	of Morgan Hill, and State of California				
	have invented certain improvement	ments in				
TITLE MET	THOD AND APPARATUS FOR PREDICTING	RECOVERY TIME OF HARD DISK DRIVE				
DATES THAT						
INVENTORS SIGNED THE DECLARATION	(1), , (2)	,, (3) 10/6/vo,,,				
	having a place of business at desires to acquire the entire invention, and to any United S Now therefore, for a valuacknowledged, we, the above not successors and assigns, the end invention therein disclose rights of priority resulting frequest the Commissioner of Painventions set forth in said a hereby agree that IBM may apply will execute all papers necess	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 unvention, and to any United States and foreign patents to be obtained therefor; Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, 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 we 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 we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.				
	Signed and sealed					
CITY DATE	(1) at, ,	Akira Kibashi	SIGNATURE INVENTOR			
CITY D ATE	and (2) at, ,	Hideo Asano	SIGNATURE INVENTOR			
CITY DATE	and (3) at Henderson NV on October (1, 2000, 1	Deniel J. Colegrove	SIGNATURE INVENTOR			

CITY DATE

RECORDED: 10/17/2000

PATENT REEL: 011288 FRAME: 0914