Mail Stop: Assignment Recordation Services RECOI Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	RDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE PATENTS ONLY Patent and Trademark Office Attorney Docket No. 142960						
Please record the attached document. Total number of pages including cover sheet, attachments, and document: 2							
Other	(2) INTERNATIONAL BUSINESS MACHINES CORP. NEW ORCHARD ROAD ARMONK, NEW YORK 10504 UNITED STATES OF AMERICA B. Additional name(s) & address(es) attached?						
B. Execution Date: 11) & (2) Septemoti 7, 2002 4. A. Patent Application No. 12/560,953 B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No							
	ROCESSING APPARATUS, SYSTEM, AND RECORDING MEDIUM						
C. Title of Application: SERVICE Pl Name and address of party to whom corresp concerning document should be mailed:	a Control de la						
Name: <u>James A. Oliff</u>	7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.						
Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-48 Phone Number: 703-836-6400 Fax Number: 703-836-2787	8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.						
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Date: September 16, 2009 James A. Oliff Registration No. 27,075 Kipman T. Werking Registration No. 60,187							

PATENT REEL: 023244 FRAME: 0107

ASSIGNMENT

			Aboltante	MI			
		(1)	Naoki MIURA	(5)	<u></u>		
(1-8) Insert Name(s) of Inventor(s)	Insert	(2)	Masumi YAMASHIT	A(6)			
	(3)						
		-					
		(4) [8] In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to					
	Insert Name of	(9)	(1)THE BANK OF T				
(9) Assignee Insert Address of			(2) INTERNATIONAL BUSINESS MACHINES CORP. (1)2-7-1, Marunouchi, Chiyoda-ku, Tokyo 100-8388, Japan				
(10)	Assignee	(10)	(2)New Orchard Road, Armonk, New York 10504, U.S.A.				
		the en invent division	nafter designated as the Assignee tire right, title and interest for the ion, and in all applications for pa onal, continuation, substitute, and es and reexamination certificates	e United States of America Itent including any and all I reissue application(s), an	nd all Letters Patent, extensions,		
(11)	Insert	(11)	(11) SERVICE PROCESSING APPARATUS, SYSTEM, AND				
	Identification such as Title, Case		RECORDING MEDI	.UM			
	Number, or Foreign Application Number	(Attor	ney Docket No. <u>142960</u>)		
		for which the undersigned has (have) executed an application for patent in the United States of American on even date herewith or					
(12)	Insert Date of Signing of Application	(12)	onSeptember	9, 2009			
	Alternative	(13)	U.S. application Serial Number	12/560,953			
` ′	Identification for filed applications	filed	September 16,	2009			
application any application any application and the Assignation of reexamination from sain herein as binding identific	pplications for the invention ons and patents as the Assig 2) Each undersigned agrees ication or continuation or dirgnee in every way possible in 3) Each undersigned agrees r provisions of the Internatio 4) Each undersigned agrees nation a grant of a valid Unit 5) Each undersigned author d application(s) to the said A seigned, and that he has not con him and his heirs, success 6) Each undersigned hereby	, and any nee may to execu- vision the to execu- nal Com- to perform to execu- ted State- dissigned, executed sors, ass' y grants	y patent(s) issuing thereon, and a deem necessary. It all papers necessary in connecessary of connecessary in	lso to execute separate assection with any interference plication based thereon, footh such interference. perform any act which mal Property or similar agrey be necessary to obtain, to issue any and all Letter t, and covenants that he hanners in conflict herewith PLC the power to insert or	nay be necessary in connection with tements. maintain or confirm by reissue or as Patents of the United States resulting as full right to convey the entire interest, and agrees that this assignment is a this assignment any further		
		_	e undersigned on the date(s) o				
Date .	9/9/2007		Inventor Signature	Naoki M Masumi Jan	iura, (SEAL)		
Date .	9/9/2007	9 <u> </u>	Inventor Signature	masumi Jan	cashila (SEAL)		
Date			Inventor Signature		(SEAL)		
Date			Inventor Signature		(SEAL)		
Date			Inventor Signature		(SEAL)		
neither, t			e signed before: (a) a Notary Pub st two witnesses who also sign he Witness		o) a U.S. Consul if outside the U.S.A. If		

RECÖRDED: 09/16/2009

Witness PATENT
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