7 - 23 - 98 MRD



BOX ASSIGNMENTS

PATENT 33-SP591P

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Ricardo T. SHICHIKU et al.

Serial No.:

09/078,491

Group: 2751

Filed:

May 14, 1998

Examiner: unassigned

IMAGE OPERATION PROCESSING APPARATUS STORING DISCRETE DATA EFFICIENTLY IN A MEMORY AND OPERATING

METHOD THEREOF



Date: <u>July 23, 1998</u>

Docket No.: 33-SP591P

RECORDING OF ASSIGNMENT

BOX ASSIGNMENTS

Assistant Commissioner for Patents Washington, DC 20231

Sir:

Please record the attached original documents or copy thereof.

Name of Conveying party(ies) (e.g. inventor(s)):

Ricardo T. SHICHIKU, Tsuyoshi MURAMATSU and Shinichi YOSHIDA

2. Name and address of receiving party(ies) (e.g. assignee)

Sharp Kabushiki Kaisha
22-22, Nagaike-cho, Abeno-ku
Osaka-shi, Osaka, JAPAN

PATENT
REEL: 9338 FRAME: 0140

SN: 09/078,491

3.	Natu	Nature of Conveyance:					
		Assignment Security Agreement Merger					
		Change of Name Other					
	Execu	ution Date (e.g., Assignment): June 10, 1998					
4.	Application number(s) or patent number(s):						
	appl:	his document is being filed together with a new patent ication, the execution date(s) of the application laration) is (are)					
	Α.	Patent Application Number(s):					
		09/078,491					
	В.	Patent Number(s):					
5.		and address of party to whom correspondence concerning					
	docur	ment should be mailed:					
		Birch, Stewart, Kolasch & Birch, LLP P.O. Box 747 Falls Church, VA 22040-0747 (703) 205-8000					
6.	Tota.	l number of applications and patents involved: 1					
7.	_X_	The recording fee in the amount of $\frac{40.00}{}$ is enclosed.					
8.		Please charge Deposit Account No. 02-2448 in the amount of \$ A duplicate copy of this request is enclosed.					

SN: 09/078,491

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16-1.21(h); particularly, extension of time fees.

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.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: 7/29/48	By	1227 21 15430		
	74 -	Terrell C. Birch Reg. No. 19,382		
TCB/AJT:11			<u></u>	

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TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 5

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ATTORNEY DOCKET NO.

33-591P

ASSIGNMENT

	Application No. <u>09/078, 491</u>	Filed May 14, 1998
Insert Name(s) of Inventor(s)	→ WHEREAS, Ricardo T. SHICHIKU, Tsuyoshi N	MURAMATSU and
or inventor(s)	Shinichi YOSHIDA	•
Insert Title	(hereinafter designated as the undersigned) has (have) invented certain new and	d useful improvements in
of Invention	■ IMAGE OPERATION PROCESSING APPARATUS STORE	ING DISCRETE DATA
	EFFICIENTLY IN A MEMORY AND OPERATING METH	HOD THEREOF
	for which an application for Letters Patent of the United States of America has b	een executed by the undersigned
Insert Date of Signing of Application	➡ onJune 10, 1998	; and
Insert Name of Assignee	➡ WHEREAS, Sharp Kabushiki Kaisha	
Insert Address of Assignee	→ of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi	., Osaka, Japan
CHECK BOX IF APPROPRIATE	its heirs, successors, legal representatives and assigns (hereinafter designated acquiring the entire right, title and interest in and to said invention and in a may be granted therefor in the United States of America and In any and all foreign countries.	
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.) paid, the receipt of which is hereby acknowledged, and other good and valuable has (have) sold, assigned and transferred, and by these presents does sell Assignee the full and exclusive right to the said invention in the United St dependencies and possessions and the entire right, title and interest in and which may be granted therefor in the United States of America, its territories, and if the box above is designated, in any and all foreign countries;	consideration, the undersigned, assign and transfer unto said tates of America, its territories, to any and all Letters Patent(s)

PATENT REEL: 9338 FRAME: 0143

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for

which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	June	10,	<u>199</u> 8,	Name of Inventor	Ricardo T. SHICE	II KU(signature)	
Date	June	10,			Tsuyoshi MURAMAT		
Date	June	10,	1998	Name of Inventor	Shinichi YOSHIDA	1.22	
Date				Name of Inventor		(signature)	
Date				Name of Inventor		(signature)	
Date		- Tana	,	name of inventor		(signature)	and the second s