Record AS of 7.23.98

Docket No : 48 529

Name of Person Signing

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12-07-1998

## PATENTS ONLY

08A/REV02 Tab settings	100915062
To the Honorable Commissioner of Patents and Trademarks:  1. Name of conveying party(ies): Hiroshi Fuji Nobuo Ogata Hideaki Sato Shigemi Maeda Jun Akiyama Tomoyuki Miyake Toshiharu Inui Yasuo Nakata Yoshihiro Sekimoto	Please record the attached onyman documents of copy and 2. Name and address of receiving party(ies):  Name: Sharp Kabushiki Kaisha  Address: 22-22 Nagaike-cho Abeno-ku
Additional names(s) of conveying party(ies)	Osaka 545-8522 Japan
3. Nature of conveyance:	
	· · · · · · · · · · · · · · · · · · ·
☐ Security Agreement ☐ Change of Name	City: State/Prov.:
Other	Country: ZIP:
Execution Date: July 7, 1998	Additional name(s) & address(es)
Patent Application No. Filing date  09/129,191 7/23/98	B. Patent No.(s)
Additional numbers	☐ Yes ☑ No
. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: David G. Conlin. Esq.	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 27,026  Address: Dike, Bronstein, Roberts & Cushman LLP	☑ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
130 Water Street 2/04/1998 JHATKINS 00000074 09129191	☐ Authorized to be charged to deposit account
FC:581         40.00 0P           City: Boston         State/Prov.: MA           Country: USA         ZIP: 02109	8. Deposit account number: 40 &
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Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document.  George W. Neuner	

REEL: 9616 FRAME: 0320

Date

Signature

Total number of pages including cover sheet, attachments, and

FC RM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Copyright 1996-97 LegalStar P08A/REV02 08-19-1998



Docket No.: 48529

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Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks	: Please record the attached original documents or copy thereof		
Name of conveying party(ies):	2. Name and address of receiving party(ies):		
	Name: Sharp Kabushiki Kaisha		
	Address: 22-22 Nagaike-cho Abeno-ku		
Additional names(s) of conveying party(ies)	Osaka 545-8522-Japan		
	27 TS:		
Nature of conveyance:	0.00		
☐ Security Agreement ☐ Change of Name	City: State/Prov.:		
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If this document is being filed together with a new application	n, the execution date of the application is: July 7, 1998		
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<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:		
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130 Water Street	☐ Authorized to be charged to deposit account		
	8. Deposit account number:		
City: Boston State/Prov.: MA			
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<b>MAN M</b>			
er Statement and signature.	alion is true and correct and any attached copy is a true copy		
David G. Conlin	July 23, 1998		
Name of Person Signing	Signature Date		
Total number of pages including	1 4		

## ASSIGNMENT

We	Hiroshi					
and	Shigemi	MAEDA i MIYAKE				
			tion from SF	IARP KABI	JSHIKI KAISHA	
•			<del>, a</del>	Japane		,
			usiness in	Osaka, C	Japan hereby acknowledged, do he	rehv
					essors and assigns, the en	
right, title	and inte	rest in, to	o and under a	n applica	tion for Letters Patent of	the
United State				iled on _	* signed b	
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therein set	forth and	y rights e	nsuing therein	rom, and	the inventions and any of ers Patent of the United S	them:
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And for	the above	considerat	tion we agn	ree promp	tly upon request of the As	signee,
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or reissie	or other	namers which	specialization, v	WIEGIEL O	desirable fully to secure	nuation to the
Assignee. it	s success	ors and as:	sions, the inv	rentions a	and any of them described	in said
application	and all p	atent righ	nts therein.	in the Un	ited States and in any cou	ntr/
foreign ther	eto.		,			
The und	lersigned	hereby gr	rant(s) the ]	law firm	of Dike, Bronstein, Rob	erts &
Cusnman th	e power	to insert	on this As	sianment	anv further identifi	cation
wnich may r	de necess	sary or de	sirable in d	order to	comply with the rules	of the
U.S. Patent	and Trac	lemark Off	ice for reco	ordation	of this document.	
TN WITHNE	SS MARDEO	e t Hi	roshi FUJI			
and and sea	I this	7+b day	of July		, nereunto	set my
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Commonwealth	(State)	of				
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\*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

## ASSIGNMENT

We Yasuo NAKATA	·
Nobuo OGATA and Jun AKIYAMA	<u> </u>
for good and valuable consideration from SHARP	KABUSHIKI KAISHA
having its principal place of business in Osal hereinafter called the Assignee, receipt of which sell, assign and transfer unto the Assignee, its sright, title and interest in, to and under an appl United States Serial No	cuccessors and assigns, the entire cication for Letters Patent of the in* signed by us* signed by us* signed by us* CONTROL METHOD FOR OPTICAL MEMORY L DEVICE, AND OPTICAL RECORDING MEDIUM and the inventions and any of them etters Patent of the United States atted thereon or therefor, together
And for the above consideration we agree prits successors or assigns, to execute and deliver power of attorney, assignment, application, whether or reissue, or other papers which may be necessary Assignee, its successors and assigns, the invention application and all patent rights therein, in the foreign thereto.	without further compensation any er original, divisional, continuation or desirable fully to secure to the ons and any of them described in said
The undersigned hereby grant(s) the law fit Cushman the power to insert on this Assignment which may be necessary or desirable in order U.S. Patent and Trademark Office for recordation	ment any further identification to comply with the rules of the
IN WITNESS WHEREOF, I, Yasuo NAKATA  hand and seal this 7th day of July OGATA , hereunto set my hand and 1998, and I, Jun AKTYAMA  this 7th day of July , 199	, hereunto set my hand and seal
	yasuv vakata
	nobus Egata
	TAlam
	- Jun HElyania
Commonwealth [State] of	, 19_, personally appeared phally known, and acknowledged his free act and deed.
	Notary Public
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Commonwealth [State] of	
Before me this day of, who is to me person the foregoing instrument of assignment to be [her]	, 19 , personally appeared nally known, and acknowledged
the foregoing instrument of assignment to be [her]	his free act and deed.
	Notary Public

\*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

## ASSIGNMENT

We _	Toshiharu Yoshihiro		
and	Hideaki Sz		
	nd valuable con	sideration from SHARP KABUSHIKI KAISHA	
hereinafter sell, assig right, titl	r called the As m and transfer Le and interest	, a <u>Japanese</u> corporation, e of business in <u>Osaka, Japan</u> signee, receipt of which is hereby acknowledged, do hereby unto the Assignee, its successors and assigns, the entire in, to and under an application for Letters Patent of the	
for Improve DEVICE, AND including a therein set and of cour	D REPRODUCING all priority ric forth and descriptions	filed on* signed by us DUCING LIGHT QUANTITY CONTROL METHOD FOR OPTICAL MEMOLIGHT QUANTITY CONTROL DEVICE, AND OPTICAL RECORDING the ensuing therefrom, and the inventions and any of them cribed, and any and all letters Patent of the United States thereto which may be granted thereon or therefor, together	ORY ; MEDIUM
And for its success power of at or reissue, Assignee, i	the above consors or assigns torney, assign or other paper ts successors at and all patent	or such Letters Patent.  sideration we agree promptly upon request of the Assignee, to execute and deliver without further compensation any ment, application, whether original, divisional, continuations which may be necessary or desirable fully to secure to the and assigns, the inventions and any of them described in said arights therein, in the United States and in any country	n. e
which may	he power to i be necessary	eby grant(s) the law firm of Dike, Bronstein, Roberts & nsert on this Assignment any further identification or desirable in order to comply with the rules of the rk Office for recordation of this document.	
hand and se. SEKIMOT		day of July , 1998, I, Yoshihiro hereunto set my hand and seal this 744 day of 744	? -
1998 and I this 7th	<ul> <li>Hideaki SA</li> </ul>	TO , hereunto set my hand and seal July , 1998.	-
		Toshiham Inii	_
		yoshihiro Sekimoto	_
		Yoshihiro Sekimoto  Wodaski Sato	<b>-</b>
Commonwealt County of	h [State] of	ss.	
		ay of, 19, personally appeared, who is to me personally known, and acknowledged	
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Before n	ne thisda	y of, 19 , personally appeared, who is to me personally known, and acknowledged f assignment to be [her] his free act and deed.	
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**RECORDED: 07/23/1998**