FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Copyright 1996-97 LegalStar P08A/REV02 06-07-2001

Docket No.: 70820-55943

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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<i>Tab settings</i> → → ▼ 101740)72 <u>7</u> ▼ ▼ ▼
To the Honorable Commissioner of Paterns and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies): Yoshimasa Chikama	2. Name and address of receiving party(ies): Name: Sharp Kabushiki Kaisha
Yoshihiro Izumi	Address: 22-22, Nagaike-cho
Additional names(s) of conveying party(ies)	Abeno-ku
3. Nature of conveyance:	
☑ Assignment ☐ Merger	
☐ Security Agreement ☐ Change of Name	City: Osaka State/Prov.:
☐ Other	Country: JAPAN ZIP:
Execution Date: May 11, 2001	Additional name(s) * Îdress(es)
4. Application number(s) or registration numbers(s): If this document is being filed together with a new application Patent Application No. Filing date 05/31/2001 HLE333 00000009 09866121 02 FC:581 40.00 GP	the execution date of the application is: May 11, 2001 B. Patent No.(s)
Additional numbers	☐ Yes ☒ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: David G. Coulin	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 27026 Address: Dike, Bronstein, Roberts & Cushman	☑ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
Intellectual Property Practice Group - Edwards & Angell	☐ Authorized to be charged to deposit account
P.O. Box 9169	
City: Boston State/Prov.: MA	8. Deposit account number:
Country: USA ZIP: 02209	04-1105
DO NOT	USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. David G. Conlin Name of Person Signing	May 25, 2001
Name of Person Signing	agriculte 1 b Date

Total number of pages including cover sheet, attachments, and

PATENT

REEL: 011858 FRAME: 0835

Assignment

SERIAL NO

	FILED	
	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,	
	Yoshimasa CHIKAMA and	
Insert Name(s) of Inventor(s)	Yoshihiro IZUMI	
·	(hereinalter designated as the undersigned) hereby sell(s) and assign(s) to	
Insert Name of Assignee	SHARP KABUSHIKI KAISHA	
Address of Assignee	of 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan	
	its heirs, successors, legal representatives and assigns (hereinalter designated as the Assignee), the entire right, title and interest in the invention or improvements in	
Title of	METAL INTERCONNECTIONS AND ACTIVE MATRIX SUBSTRATE	
Invention	USING THE SAME	
	for which an application for Letters Patent of the United States of America has been executed by the undersigned	
Date of Signing of Application	on May 11, 2001	

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 letters patent 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 patent 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 Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing 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 PATENT

REEL: 011858 FRAME: 0836

	•	thed on the date(s) opposite the undersigned name(s).
Date 11029	, Name of Inventor	Yoshimasa Chikama (signature)
Date May	// . 200/ , Name of Inventor	ypshihiro Izume
	, Name of Inventor	(signature)
	, realite of inventor	(signature)
Date	, Name of Inventor	(signature)
Date	, Name of Inventor	(signature)
Date	, Name of Inventor	
		(signature)
Date	, Name of Inventor	(signature)
	execution by the Inventor(s) should Witness	edged before a United States Consul or Notary Public. be witnessed by at least two other persons who sign
	ACKNOWL	EDGMENT
On this	day of	, 19, before me
personally appea	red the above-named	
to me personal acknowledge to forth.	ly known to be the individual(s) me that he (they) executed the same	who executed the foregoing assignment, who did of his (their) own free will for the purposes therein set
Wiless my hand	i and seal the day and year last above	given.
		Official Signature
(SEAL)		
		Official Title

RECORDED: 05/25/2001

PATENT REEL: 011858 FRAME: 0837