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Our Ref.: 900-433

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Yoshihiko MATSUO	P ==
Ryukichi IKEDA	Name: Sharp Kabushiki Kaisha
Kimihiko YOSHIDA	Internal Address:
Fumio OKUDA 6 .	25.02 Street Address: 22-22, Nagaike-cho, Abeno-ku
Additional name/s of conveying party/ies attac.	hed?
3. Nature of conveyance:	City: Osaka-shi, Osaka
Assignment Merger	State/Country: Japan
Security Assignment Change of	Name Zip: 545-8522
Other	
Execution Date: May 29, 2002, May 31, 2002 and May 31, 2002	
4. Application number(s) or patent number(s): If this document is being filed together with a new state of the state of t	application, the execution date of the application is: May 29, 2002, May 31, 2002, Ma
A. Patent Application No(s).	B. Patent No(s).
(1) to be assigned	(1)
(2)	(2)
(3)	(3)
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5. Name and address of party to whom corresp	
concerning document should be mailed:	
<i></i>	7. Total fee (37 CFR 3.41) \$ 40.00
Name: H. Warren Burnam, .	
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Street Address: Nixon & Vanderhye P.C.	<u>deficiency</u> , or credit any overpayment, in the fee(s) filed, or
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PATENT

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REEL: 013043 FRAME: 0226

RECORDATION FORM COVER SHEET

PATENTS ONLY

Our Ref: 900-433

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1. Name of conveying party(ies):		
		1046 U.S. PTO 10/178304
2. Name: Leadmikk, Ltd		T ====
Street Address: 2-2-1, Komorie, Moji-ku		
City: Kita Kyushu-shi, Fukuoka		
State: Japan		
Zip: 800-0007		
4. Application number(s) or patent number(s):		
A. Patent Application No(s).	B. Patent No(s).	
(4)	(4)	
(5)	(5)	
(6)	(6)	
(7)	(7)	
(8)	(8)	
(9)	(9)	

ASSIGNMENT OF U.S. PATENT APPLICATION							
	Yoshihiko MATSUO, Ryukichi IKEDA, Kimihiko YOSHIDA and Fumio OKUDA						
(Inventors)							
(Assignee) (Address) (Assignee) (Address)	considerations pai hereby does assig SHARP KABUSHI 22-22, Nagaike-ch LEADMIKK, LTD. 2-2-1, Komorie, M	o, Abeno-ku, Osaka-shi, Os oji-ku, Kita Kyushu-shi, Fuk	a corporation of saka 545-8522 Japan a corporation of a corporation of uoka 800-0007 Japan	e(s) to assign, and Japan Japan			
(Title)	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest fo the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as Method for Forming Plating Film and Electronic Component Having Plating Film Formed Thereon by Same Method						
	for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed U.S. application Serial No, on						
	The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.						
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.							
	undersigned agree(s ted States patent to	s) to perform all affirmative a the Assignee.	acts which may be nece	ssary to obtain a grant			
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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 firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.							
signature(s).		uted by the undersigned on	yoshihiko Ma	J			
Date	29, 2002	Signature of inventor	Yoshihiko MATSUO				
Date		Signature of inventor	Ryukichi IKEDA				
Date		Signature of inventor	Kimihiko YOSHIDA				
Date		Signature of inventor	Fumio OKUDA				
Date		Signature of inventor					
Witnessed by	<i>r</i> :		Date				
EVD 4 MV ***	IT∕N∮N⊤ TN™™™∽−	about how 57 and					

FOR ADDITIONAL INVENTORS, check box \overline{M} and attach sheet with same information and signature and date for each.

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Case No.:

	ASSIGN	MENT OF U.S. PATE	NT APPLICATION		
	Yoshihiko MATSU	O, Ryukichi IKEDA, Kimihil	o YOSHIDA and Fumio	OKUDA	
Inventors)					
-	considerations paid hereby does assign	ration of the sum of one do d to each of the undersigned n, transfer and set over to	llar (\$1.00) and other go d, the undersigned agre a corporation of	ood and valuable ee(s) to assign, and Japan	
(Assignee)	SHARP KABUSHII	KI KAISHA		Јаран	
(Address)	22-22, Nagaike-ch	o, Abeno-ku, Osaka-shi, O	a corporation of	Japan	
(Assignee)	LEADMIKK, LTD.	sii-ku Kita Kwasha-shi Fuk		<u> </u>	
(Address) (Title)	(hereinafter design the United States, applications for pa Method for Formin Thereon by Same	ated as the Assignee) the its territories, dependencie tent and any Letters Patent g Plating Film and Electror Method	(yushu-shi, Fukuoka 800-0007 Japan Assignee) the undersigned's entire right, title and interest for s, dependencies and possessions in the invention, and all / Letters Patent which may be granted therefore, known as m and Electronic Component Having Plating Film Formed		
	patent in the Unite	rsigned has (have) executed States of America or, if n or has already filed lacknowledges an obligation	ot on even date, then ha J.S. application Serial N	as executed on lo, on	
	assignee at the tim	ne the invention was made			
application or and also to ex deem necess claims or pro agreements.	r any interference who we cute separate assering or expedient and wisions of the International contents.	s) to execute all papers and nich may be declared and a signments in connection with different to perform any actional Convention for Protection	any continuing or division h such applications as t t which may be necessa ection of Industrial Prop	nal applications thereof he Assignee may ary in connection with erty or similar	
of a valid Uni	ted States patent to				
and all Letter continuing ap	s Patent of the Unite oplications thereof to at he has (they have	authorize(s) and request(sed States resulting from sate the said Assignee, as Asse) full right to convey the enterest of execute, any agreement	d application or any divi ignee of the entire intere tire interest herein assig	sion or divisions or est, and hereby	
this assignme rules of the U ASSIGNEE'S represent onl	ent any further ident Inited States Patent S attorneys Nixon & ' Iy ASSIGNEE with re	grant(s) the firm of NIXON ification which may be neconstructed for recordation of the Vanderhye P.C. have represented to this invention.	essary or desirable in or is document. It is under esented only ASSIGNEE	der to comply with the rstood and agreed that and will continue to	
signature(s).		uted by the undersigned o	Title date(s) opposite ti	le undersigned	
Date		Signature of inventor	Verbibile MATCHO		
Date		Signature of inventor	Yoshihiko MATSUO		
Date <u>Ma</u>	y 31, 2002	Signature of inventor	Kimihiko YOSHIDA	hichi Isotoc ripiko zosida nio Okuda	
Date <u>May</u>	y 31, 2002	Signature of inventor	Kim Kim	ripiko zasida	
Date May	y 31, 2002	Signature of inventor		nia Okuda	
Witnessed by	y:		Date		

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Case No. : _____

PATENT REEL: 013043 FRAME: 0229