FORM PTO-1595 (Modified)

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05-18-2000



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Docket No.: 49378(868)

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks		
Name of conveying party(ies):	Name and address of receiving party(ies):	
MOTOHIRO HAYASHI	Name: SHARP KABUSHIKI KAISHA	
	Address: 22-22 Nagaike-cho,	Abeno-ku
Additional names(s) of conveying party(ies)		
3. Nature of conveyance:		
☑ Assignment ☐ Merger		
☐ Security Agreement ☐ Change of Name	City: Osaka	State/Prov.:
☐ Other	Country: Japan	ZIP:
Execution Date: March 9, 2000	Additional name(s) & address(es)	☐ Yes ဩ No
4. Application number(s) or registration numbers(s):		
If this document is being filed together with a new application	i, the execution date of the applicat	tion is:
Patent Application No. Filing date	B. Patent No.(s)	
09/491,643 1/27/00		
05/15/2000 NLUANG 00000021 09491643		
03 FC:581 40.00 0P Additional numbers	☐ Yes 🏻 No	
	Tes 🖾 No	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications a	and patents involved: 1
Name: David G. Conlin	7. Total fee (37 CFR 3.41):	\$ 40.00
Registration No. 27026	☑ Enclosed - Any excess or	insufficiency should be
Address: Dike, Bronstein, Roberts & Cushman, LLP	credited or debited to dep	osit account
130 Water Street	☐ Authorized to be charged	to deposit account
	O Danasit assessed sounds	
City: Boston State/Prov.: MA	8. Deposit account number:	
Country: USA ZIP: 02109	04-1105	
DO NOT	USE THIS SPACE	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing inform	ation(is true and correct and any a	ttached copy is a true copy
of the original document.	1 8 / . L	
David G. Conlin (Reg. No. 27026)	11.00	May 4, 2000
Name of Person Signing	Signature	3 Date
Total number of pages including	cover sheet, attachments, and	

61611/99ROO426/US/206 -

DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP 130 Water Street

Boston, Massachusetts 02109

ATTORNEY DOCKET NO.

49378(868)

## **ASSIGNMENT**

	Application No. 09/	491,643	January 27, Filed 2000
nsert Name(s) • of Inventor(s)	• WHEREAS,	Motohiro HAYASHI	
	(hereinafter designated a	as the undersigned) has (have) invented cert	ain new and useful improvements in
nsert Title of Invention		transmitting apparatus	
	receiving app	paratus	
	for which an application	for Letters Patent of the United States of An	nerica has been executed by the undersigned
nsert Date of Signing of Application	on March 9,	2000	; and
nsert Name of Assignee	<b>♦</b> WHEREAS,	SHARP KABUSHIKI KAISHA	
•			
nsert Address of Assignee	◆ of22-22, N	agaike-cho, Abeno-ku, Os	saka, Japan
CHECK BOX FAPPROPRIATE	acquiring the entire rig	ht, title and interest in and to said invention in the United States of America and	designated as the Assignee) is desirous of on and in and to any Letters Patent(s) that
	paid, the receipt of which has (have) sold, assigned Assignee the full and e	h is hereby acknowledged, and other good a ed and transferred, and by these present exclusive right to the said invention in the	ollars (\$10.00) to the undersigned in hand and valuable consideration, the undersigned to does sell, assign and transfer unto said to United States of America, its territories, rest in and to any and all Letters Patent(s)

which may be granted therefor in the United States of America, its territories, dependencies and possessions.

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

and if the box above is designated, in any and all foreign countries:

which the same may be granted.

PATENT

REEL: 010799 FRAME: 0707

61611/99200426/US/JJC

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 Dike, Bronstein, Roberts & Cushman, 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 <u>March 9, 2000</u> ,	Name of Inventor	(Motohiro HAYASHI)	motohiro Henzashi	
			(signature)	
Date,	Name of Inventor			
			(signature)	
Date,	Name of Inventor			
			(signature)	
Date,	Name of Inventor			
			(signatur <del>e</del> )	
Date,	Name of Inventor			
			(signature)	
Date,	Name of Inventor			
			(signature)	

RECORDED: 05/08/2000

PATENT REEL: 010799 FRAME: 0708