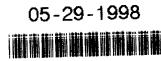
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RECORD.



Docket No. 48,225

ET U.S. DEPARTMENT OF COMMERCE

(Rev. 6-93)	Patent and Trademark Office
OMB No. 0651-0011 (exp. 4/94)	100723197
1. Name of Conveying Party(ies):	2. Name and address of receiving party(ies)
Shinichiro Hiraoka	Name: Sharp Kabushiki Kaisha
Additional name(s) of conveying party(ies) attached? No	Street Address: 22-22, Nagaike-cho, Abeno-ku
	Osaka 545-8522, JAPAN
	21.
	City:State:ZIP:
	Additional name(s) & address(es) attached? No
3. Nature of conveyance: Assignment Merger	
Security Agreement Change of Name	
Other:	
Execution Date: March 20, 1998	
 Application number(s) or patent number(s): If this document is being filed together with a new 	v application, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
serial number - 09/045,311 - filed 3/20/98	
Additional	numbers attached? No
5. Name and address of party to whom corresponden concerning document should be mailed:	nce 6. No. of applications and/or patents involved:1
Name: David G. Conlin, Esq.	
Internal Address:	Enclosed
	Authorization to charge deposit account
Street Address: <u>Dike, Bronstein, Roberts, etal., LLP</u>	
130 Water Street	Any fee deficiencies that may be due
City: Boston, State: MA ZIP: 02109	9 8. Deposit account number:
	(Attach duplicate copy of this page if paying by deposit account)
5/28/1998 DCBATES 00000117 09045311 DO NOT	T USE THIS SPACE
1 FC+581 40+90 QP	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is	s true and correst and any attriched copy is a true copy of the original document.
David G. Conlin, Esq. (27,026) Name and Registration Number of Person Signing	Signature Date
	ver sheet, attachments, and document:3

(ATTORNEY DOCKET NO.	

Page 1 of 2

		~~~	ASSIGNMENT		
					garantin da santan d
Serial No.	29/045	311	, Filed_	Minuch	29/591
WH.	EREAS.	Shinichi	iro HI	RAOKA	

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

FIXING DEVICE

for which an application for Letters patent of the United States of America has been executed by the undersigned on

_____; and

WHEREAS, SHARP KABUSHIKI KAISHA

(assignee),

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in 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 Letters 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.

Assignment Page 2 of 2

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(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 Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America 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 convenants that he has (they have) the full right to convey the entire interest herein assigned, and the he has (they have) not excuted, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts & Cushman of 130 Water Street, Boston, Massachusetts 02109-4280, U.S.A. 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.

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

Date 20 , March, 19,98 Name of Inventor Shinichira HIRACKA
Shinichira HIRACKA

PATENT REEL: 9188 FRAME: 0682