3
\mathscr{D}
(4)
•

Form PTO-1595 (Rev. 03-05) OMB No. 0651-0027 (exp. 6/30/2005) REC	JS. DEPARTMENT OF COMMERCE d States Patent and Trademark Office				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.					
Name of conveying party(ies):	2. Name and address of receiving party(ies)				
Hiroo NAOI (1/25/2006), Mitsuru TOKUYAMA (1/25/2006), Hiroshi KUBOTA (1/25/2006), and Kouichi TAKENOUCHI (1/25/2006) Additional name(s) of conveying party(ies) attached? Yes X No	Name: Sharp Kabushiki Kaisha Internal Address: Street Address:				
3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name X Assignment Merger Change of Name	22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka				
Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License	State:				
Other	Country: JAPAN Zip: 545-8522 Additional name(s) & address(es) Yes X No attached:				

Additional numbers attached? Yes X No						
	and address to whom correspondence rning document should be mailed:	6. Total number of applications and patents involved:	l	1		
Name:	Charles Gorenstein BIRCH, STEWART, KOLASCH & BIRCH,					
	LLP	7. Total fee (37 CFR 1 21(h) & 3 41)	\$	40.00		

| X | This document is being filed together with a new application.

B. Patent No.(s)

Internal Address: Atty. Dkt.: 1248-0852PUS1 Authorized to be charged by credit card Street Address: 8110 Gatehouse Road Authorized to be charged to deposit account Suite 100 East P.O. Box 747 х Enclosed None required (government interest not affecting title) City: Falls Church 8. Payment Information

Zip: 22040-0747 State: a. Credit Card Last 4 Numbers **Expiration Date** Phone Number: (703) 205-8000 (703) 205-8050 Fax Number: b. Deposit Account Number Authorized User Name Email Address: mailream@bskb.com

9. Signature: February 13, 2006 Date Charles Gorenstein - 29,271 Total number of pages including cover sheet, attachments, and documents: Name of Rerson Signing

02/15/2006 MBELETE1 00000027 1352382 40.00 01 FC:8021

Birch, Stewart, Kolasch & Birch, LLP

4. Application or patent number(s):

NEW

A. Patent Application No.(s)

CG/pjw

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

	Application No. NEW		Filed February 13, 2006				
nsert Name(s) of Inventor(s)	***(Given Name	FAMILY NAME (ALL CAPS))***					
	WHEREAS,	Hiroo NAOI ;	Mitsuru TOKUYAMA				
	Hiroshi KUBOTA						
		<u>. </u>					
		, , , , , , , , , , , , , , , , , , , 					
		<u> </u>					
		<u>;</u>					
							
	(hereinafter designated as the under	signed) has (have) invented certain ne	ew and useful improvements in				
nsert Title f Invention							
	for which an application for Letters undersigned (except in the case of a	Patent of the United States of Amer provisional application).	rica has been executed by the				
nsert Date f Signing of Application	on						
nsert Name f Assignee	WHEREAS, SHARP K	ABUSHIKI KAISHA					
nsert Address f Assignee	\$ 22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan of						
HECK BOX FAPPROPRIATE	desirous of acquiring the entire rig Letters Patent(s) that may be granted in any foreign countries.	ntatives and assigns (hereinafter des tht, title and interest in and to said in therefor in the United States of Ame	invention and in and to any				
	paid, the receipt of which is hereby undersigned has (have) sold, assign transfer unto said Assignee the ful America, its territories, dependencies any and all Letters Patent(s) which	on of the sum of Ten Dollars (\$10.00 y acknowledged, and other good and the and transferred, and by these properties and exclusive right to the said inverses and possessions and the entire right may be granted therefor in the Ussions, and if the box above is design	I valuable consideration, the resents does sell, assign and ention in the United States of ht, title and interest in and to entitle States of America, its				
	and to any and all divisions, reissue term or terms for which the same may	es, continuations, conversions and ex be granted.	stensions thereof for the full				

Page 1 of 2

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion 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, conversion 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 conversion 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 Birch, Stewart, Kolasch & Birch, 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 January 25, 2006	Name of Inventor		Hiroo	haoi
Date January >5, 2006,	Name of Inventor	(signature)	Hiroo NAC	u Tobrigano
- January at 2001		(signature)	Mitsuru 1	TOKUYAMA
Date January 25, 2008,	Name of Inventor	(signature)	Hiroshi P	0
Date January 25, 2006,	Name of Inventor	(signature)		ichi Tokenouchi TAKENOUCHI
Date,	Name of Inventor	(signature)		
Date,	Name of Inventor	(signature)		

Page 2 of 2

June 2002