PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date	
Norio TOMITA	03/11/2009	
Yoshiteru KIKUCHI	03/12/2009	
Kenichi ISOMI	03/11/2009	
Yoshikazu HARADA	03/11/2009	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12416692

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NAME OF SUBMITTER:	Charles Gorenstein		

PATENT REEL: 022508 FRAME: 0031 840.00 12416

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> PATENT REEL: 022508 FRAME: 0032

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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0397-1086PUS1

ASSIGNMENT

	•	Application No.	12/416,692				Filed <u>4/1</u>	/09
Insert Name(s)	12	WHEREAS,	Norio TOMIT	'A, '	Yoshiteru	KIKUCHI,	Kenichi	ISOMI
of Inventor(s)	•		HARADA and					
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							100 300 000000	
·		(hereinafter designa	ted as the undersigned) has (nave) invented cer	ftain new and use	ful improvement	s in
Insert Title of Invention	1972a		IING APPARAT	-				
		1						· ·
Insert Date			tion for Letters Patent a provisional application		United States of A	merica has been o	executed by the	undersigned
of Signing of Application	256	on <u>March</u>	•			009		; and
Insert Name of Assignee	102)	WHEREAS,	SHARP KABU	2HTK	1 KAISHA		<u> </u>	
• •	.*	***************************************			· .	• • • • • • • • • • • • • • • • • • • •	•	
Insert Address of Assignee	⇒	of	22-22, Nagail	ce-cl	o, Abeno-k	u, Osaka-sh	i.,	
	•		Osaka 545-85	4147,454-4-45,-5,				
CHECK BOX		acquiring the entire	, legal representatives e right, title and inter refor in the United S eign countries.	est in a	nd to said invent	er designated as t ion and in and to	he Assignee) is any Letters Pat	desirous of tent(s) that
		paid, the receipt of v has (have) sold, as Assignee the full a dependencies and j which may be grant	EFORE, in considerate which is hereby acknown is hereby acknown is gened and transferred exclusive right to possessions and the end therefor in the University designated in an end of the control of the University designated in an end of the University designated in the end of the University designated in the end of the En	vledged ed, and the sai ntire ri ited Sta	l, and other good I by these preser d invention in th ght, title and inte ttes of America, it	and valuable cons ats does sell, assi he United States erest in and to an asterritories, depo	sideration, the u gn and transfer of America, its ty and all Letter	ndersigned r unto said territories, rs Patent(s)

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

terms for which the same may be granted.

PATENT REEL: 022508 FRAME: 0033 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 March 11, 2009	Name of Inventor	Norio Tomita	·. ·	
Date March 12, 2009	Name of Inventor	Yorhiteru Kikuchi		
Date March 11, 2009;		Yoshiteru KIKUCHI Kenishi (Somi)		
Date March 11, 500;	Name of Inventor	Kenichi ISOMI	· · · · · · · · · · · · · · · · · · ·	1.5
Date March 11.2009,	antigette, in travel e	Yoshikagn Harada Yoshikazu HARADA		
Date March 11, 2009,	Name of Inventor	Letaushi Ito		· · · · · · · · · · · · · · · · · · ·

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