

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Noritaka Kamikubo	07/29/2009
Hiroshi Yamauchi	07/22/2009
RECEIVING PARTY DATA	
Name:	Sharp Kabushiki Kaisha
Street Address:	22-22, Nagaïke-cho, Abeno-ku
City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	545-8522
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12462249
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ATTORNEY DOCKET NUMBER:	84617(50766)
NAME OF SUBMITTER:	Peter J. Manus
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PATENT
REEL: 023145 FRAME: 0302

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, _____, by
Noritaka KAMIKUBO, Hiroshi YAMAUCHI (hereinafter referred to as Assignor(s),
residing at **c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi,**
Osaka 545-8522 Japan ; and , _____ respectively;

WHEREAS, Assignor(s) have invented certain new and useful improvements in
METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE, AND POLISHING
APPARATUS set forth in a Patent application for Letters Patent of the United States,
filed herewith; and

WHEREAS, **Sharp Kabushiki Kaisha**, organized under and pursuant to the
laws of **Japan** having its principal place of business at **22-22, Nagaike-cho, Abeno-ku,**
Osaka-shi, Osaka 545-8522 Japan (hereinafter referred to as Assignee(s)), is desirous
of acquiring the entire right, title and interest in and to said inventions and said
Application for Letters Patent of the United States, and in and to any Letters Patent of
the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) have
sold, assigned, transferred and set over, and by these presents do sell, assign, transfer
and set over, unto Assignee(s), its successors, legal representatives and assigns, the
entire right, title and interest in and to the above-mentioned inventions and application
for Letters Patent, and in and to any and all direct and indirect divisions, continuations
and continuations-in-part of said application, and any and all Letters Patent in the
United States and all foreign countries which may be granted therefor and thereon, and
reissues, reexaminations and extensions of said Letters Patent, and all rights under the
International Convention for the Protection of Industrial Property, the same to be held
and enjoyed by Assignee(s), for its own use and benefit and the use and benefit of its
successors, legal representatives and assigns, to the full end of the term or terms for
which Letters Patent may be granted and/or extended, as fully and entirely as the same
would have been held and enjoyed by Assignor(s), had this sale and assignment not
been made.

AND for the same consideration, Assignor(s) hereby represent and warrant to
Assignee(s), its successors, legal representatives and assigns, that, at the time of
execution and delivery of these presents, except for any rights, titles and/or interests
that have arisen to Assignee(s) under law or that have already been transferred to
Assignee(s), Assignor(s) are the sole and lawful owners of the entire right, title and
interest in and to the said inventions and application for Letters Patent above-mentioned,
and that the same are unencumbered and that Assignor(s) have good and full right and
lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant and agree to and
with Assignee(s), its successors, legal representatives and assigns, that Assignor(s) will
sign all papers and documents, take all lawful oaths and do all acts necessary or
required to be done for the procurement, maintenance, enforcement and defense of any
Letters Patent and applications for Letters Patent for said inventions, without charge to
Assignee(s), its successors, legal representatives and assigns, whenever counsel of
Assignee(s), or counsel of its successors, legal representatives and assigns, shall

advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee(s), as Assignee(s) of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee(s), its successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals 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 and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignor(s) acknowledge an obligation of assignment of this invention to Assignee(s) at the time the invention was made.

Date: 2009.7.29

Signature: Noritaka Kamikubo

Noritaka KAMIKUBO

Date: 2009.7.22

Signature: Hiroshi Yamauchi

Hiroshi YAMAUCHI

Date: _____

Signature: _____

Date: _____

Signature: _____