

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
National Institute of Advanced Industrial Science and Technology	04/23/2007
RECEIVING PARTY DATA	
Name:	Sharp Kabushiki Kaisha
Street Address:	22-22, Nagaike -cho Abeno-Ku Osaka-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	545-8522
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11213779
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ATTORNEY DOCKET NUMBER:	1248-0805PUS1
NAME OF SUBMITTER:	Charles Gorenstein
Total Attachments: 3 source=20070605ASSIGNMENT#page1.tif source=20070605ASSIGNMENT#page2.tif source=20070605ASSIGNMENT#page3.tif	

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ASSIGNMENT

WHEREAS, National Institute of Advanced Industrial Science and Technology, a corporation organized and existing under and by virtue of the laws of Tokyo, Japan, having an office at 1-3-1, Kasumigaseki, Chiyoda-Ku, Tokyo 100-8921, Japan, and Sharp Kabushiki Kaisha 22-22, Nagaike-cho Abeno- Ku Osaka-shi Osaka 545-8522 Japan, are the owners of the entire undivided right, title and interest in and to an invention for new and useful improvements in or relating to BUS DRIVER WITH WELL VOLTAGE CONTROL SECTION and assigned U.S. Application Number 11/213,779, as evidenced by the assignments recorded at reel 016941 Frame 0048 and Reel 017917 Frame 0528;

WHEREAS, National Institute of Advanced Industrial Science and Technology 1-3-1, Kasumigaseki, Chiyoda-Ku, Tokyo 100-8921, Japan is desirous of assigning its entire undivided right, title and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the improvements therein contained to Sharp Kabushiki Kaisha, 22-22 Nagaike-Cho, Abeno-Ku, Osaka-Shi Osaka 545-8522 Japan.

NOW THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) lawful money of the United States and other valuable considerations, to me in hand paid, the receipt of and sufficiency whereof are hereby acknowledged, the said National Institute of Advanced Industrial Science and Technology, has sold, assigned and transferred and does hereby sell, assign and transfer unto the said Sharp Kabushiki Kaisha, its successors and assigns, its entire undivided right, title and interest in and to the said application and the invention therein contained, including all rights of action and damages for past infringement, and including the right to apply for any Letters Patent in the United States of America and in all foreign countries on said invention and including the right to claim the priority of the date of filing in the United States and any Letters Patent that may issue thereon, or therefor, in the United States and foreign countries and all reissues, extensions, renewals, divisions and continuations thereof, to the full

end of the term or terms for which said Letters Patent may be issued, to be held and enjoyed by the said Sharp Kabushiki Kaisha, its successors and assigns the same as it would have been held and enjoyed by National Institute of Advanced Industrial Science and Technology, if this assignment and sale had not been made.

AND, National Institute of Advanced Industrial Science and Technology, hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all such Letters Patents to the said Sharp Kabushiki Kaisha, in accordance with this instrument of assignment.

National Institute of Advanced Industrial Science and Technology, hereby represents and warrants that there are no rights or interests outstanding inconsistent with the rights and interests granted herein and that National Institute of Advanced Industrial Science and Technology, will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and National Institute of Advanced Industrial Science and Technology, binds itself and its heirs, executors, administrators, employees and legal representatives, as the case may be, to execute and deliver to the said Sharp Kabushiki Kaisha, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the said Sharp Kabushiki Kaisha, its successors and assigns to file applications for the said improvements and invention in any country where it may elect to file such applications, and that may be necessary to vest in the said Sharp Kabushiki Kaisha, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

AND, National Institute of Advanced Industrial Science and Technology, further covenants and agrees, in consideration of the premises, that it, its executors and administrators will, at any time upon request, communicate to the said Sharp Kabushiki Kaisha, its successors and assigns, any facts relating to the said invention and improvements and the history thereof, known to it or its successors and assigns, and that it will testify as to the same in any interference or other proceeding when requested to do so by the said Sharp Kabushiki Kaisha, its successors and assigns.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification that 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 TESTIMONY WHEREOF, National Institute of Advanced Industrial Science and Technology, has hereunto set its seal this 23 day of Apr, 2007.

National Institute of Advanced Industrial Science and Technology,

By: Shigeru Iino
Shigeru IINO
Title: Director Intellectual Property Department

Birch, Stewart, Kolasch & Birch, LLP

CG/EJW/rpe
[Signature]