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PATENT OFFICE

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies)/Execution Date(s): Jianwen Shao (03/14/2005) and Dennis Nolan (03/14/2005)</p> <p>Execution Date(s): in parentheses after inventor name</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>STMicroelectronics, Inc.</u></p> <p>Internal Address: _____</p> <p>Street Address: _____</p> <p>1310 Electronics Drive Mail Station 2346</p> <p>City: <u>Carrollton</u></p> <p>State: <u>Texas</u></p> <p>Country: <u>United States of America</u> Zip: <u>75006-5039</u></p> <p>Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Government Interest Assignment</p> <p><input type="checkbox"/> Executive Order 9424, Confirmatory License</p> <p><input type="checkbox"/> Other _____</p>	

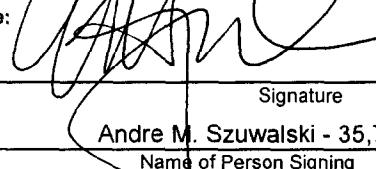
4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
This application

B. Patent No.(s)

Additional numbers attached? Yes No

<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Andre M. Szuwalski</u> <u>JENKENS & GILCHRIST, A</u> <u>PROFESSIONAL CORPORATION</u></p> <p>Internal Address: <u>Atty. Dkt.: 04-L-105</u></p> <p>Street Address: <u>1445 Ross Avenue, Suite 3200</u></p> <p><u>CUSTOMER NO. 30430</u></p> <p>City: <u>Dallas</u></p> <p>State: <u>TX</u> Zip: <u>75202</u></p> <p>Phone Number: <u>(214) 855-4795</u></p> <p>Fax Number: <u>(214) 855-4300</u></p> <p>Email Address: <u>aszuwalski@jenkens.com</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number _____ Authorized User Name _____</p>
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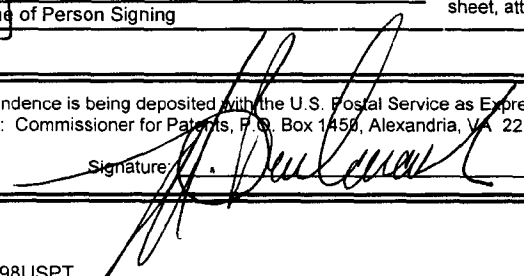
9. Signature: 

Signature: Andre M. Szuwalski - 35,701 Date: March 17, 2005

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 601 253 696 US, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 17, 2005 Signature:  (Margo Barbarash)

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DALLAS2 1095051v1 28940-00198USPT

PATENT
REEL: 016395 FRAME: 0154

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Jianwen Shao and Dennis Nolan (hereinafter referred to as Assignors), residing at 4911 Turnberry Dr., Hoffman Estates, Illinois 60010; and 1558 Columbia Court, Elk Grove Village, Illinois 60007, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in BACK EMF DETECTION CIRCUIT AND METHOD FOR A SENSORLESS BRUSHLESS DC (BLDC) MOTOR, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, STMicroelectronics, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 1310 Electronics Drive, Mail Station 2346, Carrollton, Texas 75006-5039 (hereinafter referred to as Assignee), 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, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, 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 therefore 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, 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 Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, 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 under law or that have already been transferred to Assignee, Assignors 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 Assignors 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, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors 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, its successors, legal representatives and assigns, whenever counsel of Assignee, 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 Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

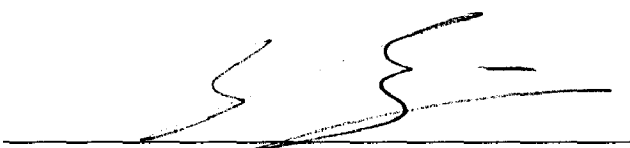
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION

All practitioners at Customer Number 30430

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 3/14/05

Signature: 
Jianwen Shao

Date: Mar 14, 2005

Signature: 
Dennis Nolan