OMB No. 0651-0027 (exp. 6/30/2005)

04-06-2005



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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)/Execution Date(s):     Robert G. Warren	2. Name and address of receiving party(ies)  Name: STMicroelectronics Limited  Internal Address:
Execution Date(s) March 28, 2005  Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance:  Assignment Merger  Security Agreement Change of Name  Government Interest Assignment	Street Address: 1000 Aztec West, Almondsbury, Bristol United Kingdom BS32 4SQ  City:  State:
Executive Order 9424, Confirmatory License  Other	Country: Zip:
A. Patent Application No.(s) 11/015,749	document is being filed together with a new application.  B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Docket Clerk Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account
Street Address: P.O. Box 802432	Enclosed  None required (government interest not affecting title)
City: Dallas	8. Payment Information
State: Texas Zip: 75380	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 972-628-3600	b. Deposit Account Number 50-0208
Fax Number: 972-628-3616	-
Email Address:	Authorized User Name William A. Munck
9. Signature: Will () Hurck	April 1, 2005
Signature	Date
William A. Munck, Reg. No. 39,308  Name of Rerson Signing	Total number of pages including cover sheet, attachments, and documents:

butting its to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: 04/05/2005 BETROE Mail Stop Assigning ecordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 01 FC:8021

## **ASSIGNMENT**

WHEREAS, I, Robert Warren, a resident of Bristol, United Kingdom and citizen of Great Britain, have invented certain new and useful improvements in "TAP SAMPLING AT DOUBLE RATE" disclosed in an application for United States Letters Patent (Application No. 11/015,749 filed December 17, 2004);

WHEREAS, STMICROELECTRONICS LIMITED, having a place of business at 1000 Aztec West, Almondsbury, Bristol, United Kingdom BS32 4SQ, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; I authorize William A. Munck or Daniel E. Venglarik of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection

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for said invention in all countries.

Date: 2005-03-28

**RECORDED: 04/04/2005** 

Robert Warren

- G. Wan

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PATENT REEL: 016416 FRAME: 0477