


Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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RECORDATION FORM COVER SHEET PATENTS ONLY

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

1. Name of conveying party(ies) Xiaojun Yang; Gopalan Krishnamurthy; Jingsong Xia Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>MICRONAS SEMICONDUCTORS, INC.</u> Internal Address: _____ Street Address: <u>1208 W. Northwest Hwy.</u> City: <u>Palatine</u> State: <u>IL</u> Country: <u>USA</u> Zip: <u>60067</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>November 21, 2006</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/547,817</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>McCracken & Frank LLP</u> Internal Address: <u>Suite 2150</u> Street Address: <u>200 W. Adams Street</u> City: <u>Chicago</u> State: <u>IL</u> Zip: <u>60606</u> Phone Number: <u>(312) 263-4700</u> Fax Number: <u>(312) 263-3990</u> Email Address: <u>jwfrank@patm.com</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
9. Signature:  Signature _____ Date <u>1/10/07</u> J. William Frank, III Name of Person Signing _____		8. Payment Information a. Credit Card Last 4 Numbers <u>2014</u> Expiration Date <u>03/2007</u> b. Deposit Account Number _____ Authorized User Name _____ Total number of pages including cover sheet, attachments, and documents: 3	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

OP \$40.00 11547817

McCracken & Frank LLP, Attorneys At Law, 200 West Adams, Suite 2150, Chicago, Illinois 60606

Atty. Docket No. 80047/W056/US

ASSIGNMENT

Serial No: 11/547,817
Filed: October 6, 2006
Title: Apparatus for and Method of Controlling the Operation of an Equalizer

For Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to MICRONAS SEMICONDUCTORS, INC., 1208 W. Northwest Hwy., Palatine, IL 60067, (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on 21 November, 2006, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

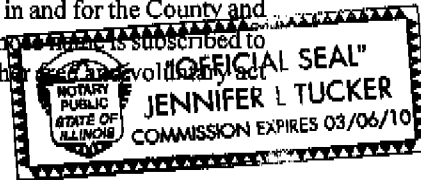
PATENT
REEL: 018759 FRAME: 0983

WITNESS my hand this 21st day of November, 2006.

County of Cook)
) SS
State of Illinois)

[Signature]
Xiaojun Yang

On this 21 day of November, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Xiaojun Yang, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he/she executed said instrument as his/her free and voluntary act and for the uses and purposes therein expressed.



WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 3-6-2010

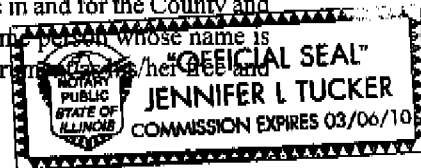
[Signature]
[Notary Public]

WITNESS my hand this 21st day of November, 2006.

County of Cook)
) SS
State of Illinois)

[Signature]
Gopalan Krishnamurthy

On this 21 day of November, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Gopalan Krishnamurthy, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he/she executed said instrument as his/her free and voluntary act and for the uses and purposes therein expressed.



WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 3-6-2010

[Signature]
[Notary Public]

WITNESS my hand this 21 day of November, 2006.

County of Cook)
) SS
State of Illinois)

[Signature]
Jingsong Xia

On this 21 day of November, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Jingsong Xia, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he/she executed said instrument as his/her free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 3-6-2010

[Signature]
[Notary Public]



PATENT