

Client Code: MSEM1.130A

RECEIVED

04-04-2005

To the Director, U.S. Patent and Trademark Office

inal documents or copy thereof.



102971507

1. Name of conveying party(ies): (List or numbers for multiple parties) Newton E. Ball Additional name(s) of conveying party(ies) attached? () Yes (X) No		Name: Microsemi Corporation Internal Address: Street Address: 2381 Morse Avenue City: Irvine State: CA ZIP: 92614 Additional name(s) of receiving party(ies) attached? () Yes (X) No	
3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other: Execution Date: (List as in section 1 if multiple signatures) March 2, 2005		4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 11/011,753 Filing Date: December 14, 2004 Additional numbers attached? () Yes (X) No	
5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: MSEM1.130A		6. Total number of applications and patents involved: 1 <div style="text-align: right; transform: rotate(-90deg);">RECEIVED 2005 MAR 31 AM 7:10 OPR/FINANCE</div>	
7. Total fee (37 CFR 1.21(h)): \$40 (X) Enclosed		8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. <div style="display: flex; justify-content: space-between;"><div><u>Sharon S. Ng</u> Name of Person Signing <u>53,383</u> Registration No.</div><div style="text-align: center;"> Signature</div><div style="text-align: right;"><u>March 28, 2005</u> Date</div></div> <div style="text-align: center;">Total number of pages including cover sheet, attachments and document: 2</div>			

Documents transmitted via Mail to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director, U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

04/01/2005 DBYME 00000047 11011753

01 FC:8021

1440489_1
032405

40.00 UP

PATENT
REEL: 016409 FRAME: 0290

ASSIGNMENT

WHEREAS, I, Newton E. Ball, a US citizen, residing at 2121 W. Harriet Ave., Anaheim, CA 92804, have invented certain new and useful improvements in a LAMP CURRENT CONTROL USING PROFILE SYNTHESIZER for which I have filed an application for Letters Patent in the United States, Application No., 11/011,753, filed on December 14, 2004;

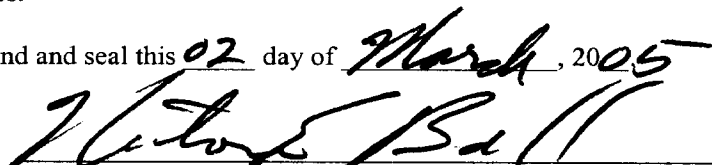
AND WHEREAS, Microsemi Corporation (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at 2381 Morse Avenue, Irvine, CA 92614, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 02 day of March, 2005


Newton E. Ball

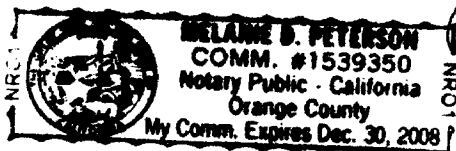
STATE OF California }
COUNTY OF ORANGE } ss.


On MARCH 2, 2005 before me, MELANIE PETERSON personally appeared Newton E. Ball personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

SSN-3349.DOC; 021705




Notary Signature