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Client Code: MSEMI.134A RECORDATION FORM COVER SHEET PATENTS ONLY	
To the Director, U.S. Patent and Trademark Office: Please re 1. Name of conveying party: (List using letters or numbers for multiple parties) Newton E. Ball Additional name(s) of conveying 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	 accord the attached original documents or copy thereof. 2. Name and address of receiving party: Name: Microsemi Corporation Street Address: 2381 Morse Avenue City: Irvine State: California ZIP: 92614 Additional name(s) of receiving party(ies) attached? () Yes (X) No 4. US or PCT Application number(s) or US Patent number(s):
signatures) January 12, 2005	 (X) Patent Application No.: 10/970,243 Filing Date: October 20, 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, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: MSEMI.134A 	 Total number of applications and patents involved: 1
 7. Total fee (37 CFR 1.21(h)): \$40 (X) Authorized to be charged to deposit account 	 Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.
is a true copy of the original document. <u>Michael S. Okamoto</u> Name of Person Signing <u>47,831</u> Registration No.	ature Date
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PATENT REEL: 015623 FRAME: 0938

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ASSIGNMENT

WHEREAS, I, Newton E. Ball, a United States citizen, residing at 2121 W. Harriet Lane, Anaheim, California 92804, have invented certain new and useful improvements in a SYSTEMS AND METHODS FOR A TRANSFORMER CONFIGURATION WITH A TREE TOPOLOGY FOR CURRENT BALANCING IN GAS DISCHARGE LAMPS for which I have filed an application for Letters Patent in the United States with Application No. 10/970,243 and Filing Date October 20, 2004;

AND WHEREAS, MICROSEMI CORPORATION (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 2381 Morse Avenue, Irvine, California 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 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, and any official of any country or countries foreign 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, its 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 12 day of 1,2005.
ALL B.I
STATE OF California
STATE OF California) COUNTY OF Orange ss.
On JAN 12, RS, before me, Ghanshyam V. Patel personally appeared Newton E. Ball
personally known to me for proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed.

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

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Ghandyam V. (24) Notary Signature

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