

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MUNEHIRO YOSHIDA	08/08/2003
DAVID WILLIAM BOESTLER	08/08/2003
RECEIVING PARTY DATA	
Name:	TOSHIBA AMERICAN ELECTRONIC COMPONENTS, INC
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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SIGNATURE:	/Teresa A. Lavenue/
DATE SIGNED:	09/25/2017

Total Attachments: 2

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ASSIGNMENT

(1-8) Name(s) of Inventor(s) (1) Munehiro YOSHIDA (5)
 (2) (6)
 (3) (7)
 (4) (8)

In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Name of Assignee (9) Toshiba American Electronic Components, Inc.

(10) State of Incorporation of Assignee (10) Irvine, California (USA)

(11) Address of Assignee (11) 9775 Toledo Way, Irvine, CA 92618
 (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Identification of Invention, such as Title, Case Number or Foreign Application Number (12) THERMAL SENSING CIRCUITS USING BANDGAP VOLTAGE REFERENCE GENERATORS WITHOUT TRIMMING CIRCUITRY, Appl. No. Not Assigned for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) Date(s) of Signing of Declaration (13) on May 13, 2003

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number:

000026021



26021

PATENT TRADEMARK OFFICE

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.

Date: 8/8/2003 Signature of Inventor 1 Munehiro YOSHIDA *Munehiro Yoshida*

Date: _____ Signature of Inventor 2 _____

Date: _____ Signature of Inventor 3 _____

Date: _____ Signature of Inventor 4 _____

ASSIGNMENT

Whereas, I,

(1) David William Boerstler of 16 Wooded Way, Round Rock
County of _____ and State of Texas 78664

have invented certain improvement in

**THERMAL SENSING CIRCUITS USING BANDGAP VOLTAGE REFERENCE
GENERATORS WITHOUT TRIMMING CIRCUITRY**

and executed a United States patent application therefore on May 13, 2003.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at Austin on Aug 8, 2003.


DAVID WILLIAM BOERSTLER