

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Shigehiro Asano	03/29/2005
RECEIVING PARTY DATA	
Name:	Toshiba America Electronic Components, Inc.
Street Address:	19900 MacArthur Blvd.
Internal Address:	Suite 400
City:	Irvine
State/Country:	CALIFORNIA
Postal Code:	92612
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11853898
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	SUZU02901
NAME OF SUBMITTER:	Mark L. Berrier
Total Attachments: 2 source=assignment_1_signed#page1.tif source=assignment_1_signed#page2.tif	

OP \$40.00 11853898

PATENT

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REEL: 019814 FRAME: 0280

ASSIGNMENT

(1-8) Name(s) of Inventor(s):

(1) Shigehiro Asano (5)
 (2) Tsutomu Ishii (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 AMERICA ELECTRONIC COMPONENTS, INC.**

(10) State of Incorporation of Assignee

(10) **California**

(11) Address of Assignee

(11) of

**19900 MacArthur Blvd., Suite 400
 Irvine, CA 92612**

(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) **Back-Off Timing Mechanism, Attorney Docket SUZU02900**, 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 _____

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 **42671** 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: Mar. 29, 2005 Signature of Inventor #1: Shigehiro Asano
 Date: _____ Signature of Inventor #2: _____
 Date: _____ Signature of Inventor #3: _____
 Date: _____ Signature of Inventor #4: _____

Date: _____

Signature of Inventor #5: _____

Date: _____

Signature of Inventor #6: _____

Date: _____

Signature of Inventor #7: _____

Date: _____

Signature of Inventor #8: _____