

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kenichi HIRASHIKI</td><td>04/07/2010</td></tr><tr><td>Shinichiro ISHIZUKA</td><td>04/08/2010</td></tr><tr><td>Nobuyuki ITOH</td><td>04/08/2010</td></tr></tbody></table>		Name	Execution Date	Kenichi HIRASHIKI	04/07/2010	Shinichiro ISHIZUKA	04/08/2010	Nobuyuki ITOH	04/08/2010
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Kenichi HIRASHIKI	04/07/2010								
Shinichiro ISHIZUKA	04/08/2010								
Nobuyuki ITOH	04/08/2010								
RECEIVING PARTY DATA									
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PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12783345</td></tr></tbody></table>		Property Type	Number	Application Number:	12783345				
Property Type	Number								
Application Number:	12783345								
CORRESPONDENCE DATA									
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Total Attachments: 1 source=Assignment_KATOSH064AUS#page1.tif									

OP \$40.00 12783345

PATENT

501182853

REEL: 024419 FRAME: 0133

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))
Kabushiki Kaisha Toshiba

1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

VOLTAGE CONTROL OSCILLATOR AND QUADRATURE MODULATOR

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____;

(Insert date of execution of application, if not concurrent)

(b) filed on 12/783,345

Serial No. May 19, 2010

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Kenichi Hirashiki</u> (Signature)	Kenichi HIRASHIKI (Type Name)	April 7, 2010 (Date)
2) <u>Shinichiro Ishizuka</u> (Signature)	Shinichiro ISHIZUKA (Type Name)	April 8, 2010 (Date)
3) <u>Nobuyuki Itoh</u> (Signature)	Nobuyuki ITOH (Type Name)	April 8, 2010 (Date)
4) _____ (Signature)	_____ (Type Name)	_____ (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)

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