

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Tatsuhiko KOSUGI</td> <td>01/13/2012</td> </tr> <tr> <td>Kazuhiko TAKAISHI</td> <td>01/13/2012</td> </tr> <tr> <td>Takeshi HARA</td> <td>01/13/2012</td> </tr> <tr> <td>Hiroshi OYABU</td> <td>01/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuhiko KOSUGI	01/13/2012	Kazuhiko TAKAISHI	01/13/2012	Takeshi HARA	01/13/2012	Hiroshi OYABU	01/13/2012
Name	Execution Date										
Tatsuhiko KOSUGI	01/13/2012										
Kazuhiko TAKAISHI	01/13/2012										
Takeshi HARA	01/13/2012										
Hiroshi OYABU	01/13/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Kabushiki Kaisha Toshiba</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	Kabushiki Kaisha Toshiba	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001
Name:	Kabushiki Kaisha Toshiba										
Street Address:	1-1, Shibaura 1-chome, Minato-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	105-8001										
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>13370230</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13370230						
Property Type	Number										
Application Number:	13370230										
CORRESPONDENCE DATA											
Fax Number:	(713)623-4846										
Phone:	713-623-4844										
Email:	psdocketing@pattersonsheridan.com, acollins@pattersonsheridan.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	PATTERSON & SHERIDAN, L.L.P.										
Address Line 1:	3040 POST OAK BOULEVARD										
Address Line 2:	SUITE 1500										
Address Line 4:	HOUSTON, TEXAS 77056										
ATTORNEY DOCKET NUMBER:	TOSH/0402US										
NAME OF SUBMITTER:	Walter C. Grollitsch										
Total Attachments: 1 source=TOSH0402_Assignment#page1.tif											

OP \$40.00 13370230

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)

POSITION DEMODULATOR AND POSITION DEMODULATION METHOD

relating to International Patent Application _____ 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 _____;

Serial No. ____/____;

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>Tatsuhiko Kosugi</u> (Signature)	Tatsuhiko KOSUGI (Type Name)	<u>Jan. 13, 2012</u> (Date)
2) <u>Kazuhiko Takaiishi</u> (Signature)	Kazuhiko TAKAISHI (Type Name)	<u>Jan. 13, 2012</u> (Date)
3) <u>Takeshi Hara</u> (Signature)	Takeshi HARA (Type Name)	<u>Jan. 13, 2012</u> (Date)
4) <u>Hiroshi Oyabu</u> (Signature)	Hiroshi OYABU (Type Name)	<u>Jan 13, 2012</u> (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)
6) _____ (Signature)	_____ (Type Name)	_____ (Date)