PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Makoto Tsuruta	03/27/2009
Mikihiro Yamazaki	03/30/2009
Shizuo Akiyama	03/30/2009

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, Shibaura 1-chome
City:	Minato-ku, Tokyo
State/Country:	JAPAN
Postal Code:	105-8001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12342007

CORRESPONDENCE DATA

Fax Number: (216)696-8731

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 216-696-8730

Email: cbyrnes@thepatentattorneys.com

Correspondent Name: Turocy & Watson, LLP
Address Line 1: 57th Floor - Key Tower
Address Line 2: 127 Public Square
Address Line 4: Cleveland, OHIO 44114

ATTORNEY DOCKET NUMBER:	TOSHP364US
NAME OF SUBMITTER:	Gregory Turocy

Total Attachments: 2 source=Assn364#page1.tif

PATENT REEL: 022637 FRAME: 0703 D \$40.00 1234200

500851740 REEL: 0226

source=Assn364#page2.tif

PATENT REEL: 022637 FRAME: 0704 In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

MODULATION SCHEME ESTIMATION APPARATUS AND METHOD

have sold and assigned and do hereby sell and assign to KABUSHIKI KAISHA TOSHIBA a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)	[X]	executed concurrently herewith	
		executed on Application No. 12/342,007	; ,filed December 22, 2008
			·

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Amin & Turocy & Calvin, LLP, 57th Floor · Key Tower 127 Public Square Cleveland, OH 44114

PATENT REEL: 022637 FRAME: 0705

ASSIGNMENT

13G046255-USA-A (08S0723)

[1st Inventor]	
Residence Address: Kawasaki-shi, Japan	
Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,	
Minato-ku, Tokyo 105-8001, Japan	
Citizenship: Japan	
march 21, 2009. Mars 317 200	a 1
Markoto Invento Mar. 27, 2009. Mar. 27, 2009.	M.I.
Makoto Tsuruta	
Makoto Tsuruta Date:	
[0.1T]	
[2nd Inventor]	
Residence Address: Kawasaki-shi, Japan	
Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,	
Minato-ku, Tokyo 105-8001, Japan	
Citizenship: Japan	
Mikihiro Yamazaki March 30 2009	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Mikihiro Yamazaki Date:	
[3rd Inventor]	
Residence Address: Yokohama-shi, Japan	
Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,	
Minato-ku, Tokyo 105-8001, Japan	
Citizenship: Japan	
A P	
Shizur Akiyama March 30,2009	
SOLVING SYPONITIFIED PROPERTY OF JARON	

RECORDED: 05/05/2009

PATENT REEL: 022637 FRAME: 0706