

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kentaro UMESAWA	12/05/2008
Ryuiti KOIKE	12/05/2008
Hideki MATSUMOTO	12/05/2008
Tatsuyuki MATSUSHITA	12/05/2008
Taku KATO	12/05/2008
Haruhiko TOYAMA	12/05/2008
Hideaki SATO	12/05/2008
Toru KAMBAYASHI	12/05/2008
Satoshi ITO	12/05/2008

RECEIVING PARTY DATA

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

Property Type	Number
Application Number:	12333704

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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

Phone: (703) 413-3000

Email: sbadic@oblon.com

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

OP \$40.00 12333704

PATENT

500730410

REEL: 021978 FRAME: 0160

ATTORNEY DOCKET NUMBER:	336077US2RD
NAME OF SUBMITTER:	Svjetlana Badic
Total Attachments: 2 source=336077USAssignment#page1.tif source=336077USAssignment#page2.tif	

Assignment of Application

Page 1 of 2

WHEREAS, I (WE) Kentaro UMESAWA, Ryuiti KOIKE, Hideki MATSUMOTO

Tatsuyuki MATSUSHITA, Taku KATO, Haruhiko TOYAMA

Hideaki SATO, Toru KAMBAYASHI, and Satoshi ITO

c/o Intellectual Property Division, Toshiba Corporation,

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

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS.

_____, respectively,

have invented certain new and useful improvements in: COMMUNICATION APPARATUS,

COMMUNICATION SYSTEM, TRANSMISSION METHOD, AND COMPUTER PROGRAM PRODUCT

for which an application for Letters Patent was executed on December 5, 2008

(Application No. _____, filed on _____), and

WHEREAS, Kabushiki Kaisha Toshiba

(hereinafter referred to as "ASSIGNEE") having a place of business at: _____

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

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

03/03

INSERT TITLE
OF INVENTION

INSERT DATE IN-
VENTOR'S SIGNED
DECLARATION

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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: December 5, 2008

Kentaro Umesawa.
(Signature of Inventor) Kentaro UMESAWA

Date: December 5, 2008

Ryuiti Koike
(Signature of Inventor) Ryuiti KOIKE

Date: December 5, 2008

Hideki Matsumoto
(Signature of Inventor) Hideki MATSUMOTO

Date: December 5, 2008

Tatsuyuki Matsushita
(Signature of Inventor) Tatsuyuki MATSUSHITA

Date: December 5, 2008

Taku Kato
(Signature of Inventor) Taku KATO

Date: December 5, 2008

Haruhiko Toyama
(Signature of Inventor) Haruhiko TOYAMA

Date: December 5, 2008

Hideaki Sato
(Signature of Inventor) Hideaki SATO

Date: December 5, 2008

Toru Kambayashi
(Signature of Inventor) Toru KAMBAYASHI

Date: December 5, 2008

Satoshi Ito
(Signature of Inventor) Satoshi ITO

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

03/03