

Atty Docket No.: 240129US2RD/hse

FORM PTO-1595  
1-31-92

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**


U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 6.7.04  
Hideaki NAKAKITA, Hiroshi ISOZAKI, Keiji TSUNODA,  
Kiyoshi TOSHIMITSU, Takeshi SAITO and Taku KATO  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: KABUSHIKI KAISHA TOSHIBA  
Address: 1-1, Shibaura 1-chome, Minato-ku  
Tokyo, Japan

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: Record to Correct Assignors' Document Date on an  
Assignment previously recorded on Reel/Frame  
014641/0181.  
Execution Date: August 14, 2003

06-14-2004  
  
102764837  
Additional name(s) and address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
10/615,768

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer Number  
**22850**  
Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 08/03)

6. Total applications and patents involved: **1**

7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

*Surinder Sachar*

Signature

Surinder Sachar  
Registration No. 34,423

June 7 2004

Date

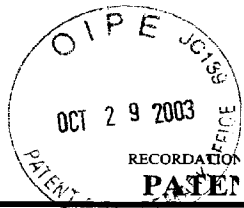
Total number of pages including this cover sheet: 6

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patents and Trademark Office  
Mail Stop Assignment Recordation Services  
Alexandria, Virginia 22313

**PATENT**  
**REEL: 015436 FRAME: 0776**



11-03-2003

DS

Atty Docket No.: 240129US2RD

FORM PTO-1595  
1-31-92

10/29/03



102590047

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hideaki NAKAKITA, Hiroshi ISOZAKI, Keiji TSUNODA,  
Kiyoshi TOSHIMITSU, Takeshi SAITO and Taku KATO

2. Name and address of receiving party(ies):

Name: KABUSHIKI KAISHA TOSHIBA  
Address: 1-1, Shibaura 1-chome, Minato-ku,  
Tokyo, Japan

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: August 14, 2002

Additional name(s) and address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/615,768

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer Number

22850

Tel. (703) 413-3000  
Fax. (703) 413-2220

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Eckhard H. Kuesters  
Name of Person Signing

Joseph A. Scafetta Jr.  
Signature

Oct. 29, 2003  
Date

Registration Number: 28,870

Joseph A. Scafetta, Jr.  
Registration No. 26,803

Total number of pages including this cover sheet: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office  
Mail Stop Assignment Recordation Services  
Alexandria, Virginia. 22313

07/31/2003 ECOOPER 00000098 10615768

FC:8021

40.00

PATENT  
REEL: 015436 FRAME: 0777

# Assignment of Application

Page 1 of 2

WHEREAS, I (WE) Hideaki NAKAKITA of Yokohama-shi, Kanagawa, Japan;  
Hiroshi ISOZAKI of Kawasaki-shi, Kanagawa, Japan;  
Keiji TSUNODA of Yokohama-shi, Kanagawa, Japan;  
Kiyoshi TOSHIMITSU of Yokohama-shi, Kanagawa, Japan;  
Takeshi SAITO of Meguro-ku, Tokyo, Japan;  
Taku KATO of Fuchu-shi, Tokyo, Japan;

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

\_\_\_\_\_, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: WIRELESS COMMUNICATION SCHEME WITH COMMUNICATION QUALITY GUARANTEE AND COPYRIGHT PROTECTION

INSERT DATE INVENTORS SIGNED DECLARATION:

for which an application for Letters Patent was executed on August 14, 2003  
(Application No. 10/615,768, filed July 10, 2003), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

WHEREAS, KABUSHIKI KAISHA TOSHIBA

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 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.

10/01

PATENT  
REEL: 015436 FRAME: 0778

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: <u>August 14, 2003</u>	<u><i>Hideaki Nakakita</i></u> (Signature of Inventor) <b>Hideaki NAKAKITA</b>
Date: <u>August 14, 2003</u>	<u><i>Hiroshi Isozaki</i></u> (Signature of Inventor) <b>Hiroshi ISOZAKI</b>
Date: <u>August 14, 2003</u>	<u><i>Keiji Tsunoda</i></u> (Signature of Inventor) <b>Keiji TSUNODA</b>
Date: <u>August 14, 2003</u>	<u><i>Kiyoshi Toshimitsu</i></u> (Signature of Inventor) <b>Kiyoshi TOSHIMITSU</b>
Date: <u>August 14, 2003</u>	<u><i>Takeshi Saito</i></u> (Signature of Inventor) <b>Takeshi SAITO</b>
Date: <u>August 14, 2003</u>	<u><i>Taku Kato</i></u> (Signature of Inventor) <b>Taku KATO</b>
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

10/01