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07-30-2003

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documents or copy thereof.


1. Name of conveying party(ies): 7-25-03
Christopher Martin SIMMONDS
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 105-8001, Japan
Additional name(s) and address(es) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: May 19, 2003

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)
10/384,573
Additional numbers attached? Yes No

B. Patent No.(s)

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

22850

6. Total applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00
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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.
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Registration Number: 28,870 Joseph A. Scafetta, Jr.
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PATENT
REEL: 014314 FRAME: 0593

234734US2CRL

Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) Christopher Martin SIMMONDS c/o Toshiba Research Europe Limited
32 Queens Square, Bristol BS1 4ND United Kingdom

, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: ADAPTIVE COMMUNICATION

INSERT DATE INVENTORS SIGNED DECLARATION:

For which an application for Letters Patent was executed on _____

(Application No. 10/384,573, filed March 11, 2003), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:

WHEREAS, Kabushiki Kaisha Toshiba

(hereinafter referred to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan, respectively are desirous of jointly acquiring undivided interests in 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 ASSIGNEES, 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 ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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.

10/02

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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: MAY 19TH 2003


(Signature of Inventor) Christopher Martin SIMMONDS

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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