

MURD 12.7.99

12-27-1999

FORM PTO-1594
1-31-92



U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 04284.0814

To the Honorable Commissioner of Patents and
Please record the attached original documents

101233091

.. BOX ASSIGNMENTS

1c511 U.S. PTO
09/456986
12/07/99

1. Name of conveying parties:
1) Toshiyuki MASAKI
3) Yoshinori Horiguchi
5) Hiroki IWAHARA
2) Koichi KOBAYASHI
4) Toshiki MIYASAKA
6) Syuichi SEKINE
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party:
Name: Kabushiki Kaisha Toshiba
Internal Address:

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name

Street Address: 72 Horikawa-cho, Saiwai-ku
Kawasaki-shi, Kanagawa-ken, Japan
City:
State: Zip Code:

Other

Execution Date: November 26, 1999

Additional name(s) & 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: November 26, 1999
A. Patent Application Number: 09/456986
B. Patent Number(s):
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Mr. Ernest F. Chapman
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.
12/21/1999 MURDUN 00000016 09/456986
04 FC:581 40.00 DP
Street Address: 1300 I Street, N.W.
City: Washington
State: DC Zip: 20005-3315

6. Total number of applications and registrations involved: 1
7. Total fee (37 CFR 3.41): \$40

Enclosed (Please charge deficiency to deposit account)
Authorized to be charged to deposit account
8. Deposit account number: 06-0916

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.
Richard V. Burgujian
Registration No. 31,744
Signature
December 7, 1999
Date
Total number of pages including cover sheet, attachments and documents: 5

JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

AN ANTENNA ARRANGEMENT OF AN INFORMATION PROCESSOR

for which we executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on _____ (Application No. _____); and

WHEREAS, Kabushiki Kaisha Toshiba, a corporation of Japan, whose post office address is 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

PATENT

| REEL: 010450 FRAME: 0054

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

First Assignor

Toshiyuki MASAKI
c/o Intellectual Property Division
Toshiba Corporation
1-1-1, Shibaura, Minato-ku
Tokyo, Japan

Citizenship: Japan

Signature: Toshiyuki Masaki

Date: November 26, 1999

Second Assignor

Koichi KOBAYASHI
c/o Intellectual Property Division
Toshiba Corporation
1-1-1, Shibaura, Minato-ku
Tokyo, Japan

Citizenship: Japan

Signature: Koichi Kobayashi

Date: November 26, 1999

PINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Third Assignor

Yoshinori Horiguchi
c/o Intellectual Property Division
Toshiba Corporation
1-1-1, Shibaura, Minato-ku
Tokyo, Japan

Citizenship: Japan

Signature: Yoshinori Horiguchi

Date: Nov. 26, 1999

Fourth Assignor

Toshiki MIYASAKA
c/o Intellectual Property Division
Toshiba Corporation
1-1-1, Shibaura, Minato-ku
Tokyo, Japan

Citizenship: Japan

Signature: Toshiki Miyasaka

Date: Nov. 26, 1999

Fifth Assignor

Hiroki IWAHARA
c/o Intellectual Property Division
Toshiba Corporation
1-1-1, Shibaura, Minato-ku
Tokyo, Japan

Citizenship: Japan

Signature: Hiroki Iwahara

Date: Nov. 26, 1999

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Sixth Assignor

Syuichi SEKINE
c/o Intellectual Property Division
Toshiba Corporation
1-1-1, Shibaura, Minato-ku
Tokyo, Japan

Citizenship: Japan

Signature: Syu-ichi Sekine

Date: Nov. 26, 1999

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.