

01-25-1999

FORM PTO-1594
1-31-92

RE:



U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 04329.2049

100947388

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

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):
Mitsuru SUGAWARA, Masatoshi NAKAO and
Hiroyuki IBE
1.6.99
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: KABUSHIKI KAISHA TOSHIBA
Internal Address:
U.S. PTO 09/226007 01/06/99

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

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

Other
Execution Date: December 21, 1998

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: December 21, 1998
A. Patent Application Number(s): 09 226007
09/226007
Additional numbers attached? Yes No

B. Patent Number(s):
Total number of applications and registrations involved: 1
Total fee (37 CFR 3.41): \$40
 Enclosed (Please charge deficiency to deposit account)
 Authorized to be charged to deposit account

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.
Street Address: 1300 I Street, N.W.
City: Washington
State: DC Zip: 20005-3315

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 *[Signature]* January 6, 1999
Signature Date
Total number of pages including cover sheet, attachments and documents: 3

A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to 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:

COMMUNICATION SYSTEM, USER APPARATUS, CENTER APPARATUS, AND TERMINAL INTERFACE UNIT FOR USE IN COMMUNICATION SYSTEM

said application having been filed on _____
and assigned Serial No. _____ ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, 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 application for United States patent: (check one)

executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions 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 proceeding, sign all lawful papers, execute all divisional, continuing, 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 in all countries.

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.

Finnegan, Henderson, Farabow, Garrett & Dunner, L. L. P.,
1300 I Street, N. W., Washington, D. C., 20005-3315

ASSIGNMENT

98S1078

Inventor: (Signature)

Date

Residence

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RECORDING OFFICER:

After recording please return to:
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