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02-07-2005



U.S. Department of Commerce
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Attorney Docket No. 08411.0006
Attorney Customer Number: 22,852

To the Honorable Commissioner of Patents
Please record the attached original document.

102934649

ATTN. BOX ASSIGNMENTS RECORDATION
SERVICES

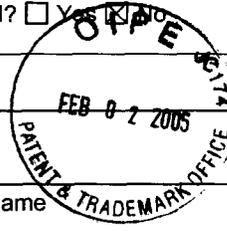
1. Name of conveying party(ies): 1) Takeshi ISHIHARA 2) Akira ICHIE	2. Name and address of receiving party(ies): Name: KABUSHIKI KAISHA TOSHIBA
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Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Internal Address: 1-1, Shibaura 1-Chome, Minato-ku, Tokyo 105-8001, Japan
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3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger	Street Address:
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<input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name	City:
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<input type="checkbox"/> Other:	State: Zip Code:
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Execution Date: January 14, 2005	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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:	Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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A. Patent Application Number(s): 10/990,953	B. Patent Number(s):
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman	6. Total number of applications and registrations involved: 1
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Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 901 New York Avenue, NW City: Washington, D.C. State: Zip: 20001-4413	7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account
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8. Deposit Account No.: 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.
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Richard V. Burgujian
Reg. No. 31,744

[Signature]
Signature

February 2, 2005
Date

Total number of pages including cover sheet, attachments and documents: 3

02/04/2005 BUYER 00000041 10990953
01 FC:8021 40.00 DP

Attorney Docket No.:

JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

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

APPARATUS FOR AND METHOD OF SETTING COMMUNICATION PATH

for which we executed an application for United States Letters Patent concurrently herewith or on Nov. 18, 2004 or filed an application for United States Letters Patent on Nov. 18, 2004 (Application No. 10/990,953); and

WHEREAS, Kabushiki Kaisha Toshiba, a corporation of Japan, whose post office address is 1-1, Shibaura 1-chome, Minatoku, Tokyo 105-8001 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.

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.

Attorney Docket No.:

IN TESTIMONY WHEREOF, we have hereunto set our hands.

First Assignor

Citizenship: Japanese

Signature: *Takeshi Ishihara*
Takeshi ISHIHARA

Date: Jan. 14, 2005

Second Assignor

Citizenship: Japanese

Signature: *Akira Ichie*
Akira ICHIE

Date: Jan. 14, 2005

Third Assignor

Citizenship: _____

Signature: _____

Date: _____

Fourth Assignor

Citizenship: _____

Signature: _____

Date: _____