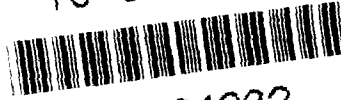


10-03-2001



101864232

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

11000 U.S. PTO
09/24/01



TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New *09/24/01*

Resubmission (Non-Recordation)
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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

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Pages **Enter the total number of pages of the attached conveyance document including any attachments.** #

Application Number(s) or Patent Number(s) **Mark if additional numbers attached**

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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Number of Properties **Enter the total number of properties involved.** #

Fee Amount **Fee Amount for Properties Listed (37 CFR 3.41):** \$

Method of Payment: Enclosed Deposit Account

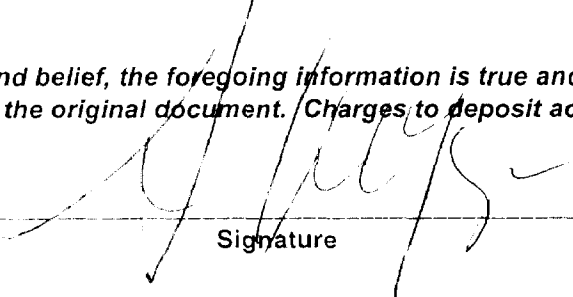
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Samson Helfgott  9/24/01

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RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

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Name (line 1) Yoichi AZUMA

Execution Date
Month Day Year
09 11 01

Name (line 2)

Name (line 1) Mitsumaro KIMURA

Execution Date
Month Day Year
09 11 01

Name (line 2)

Name (line 1) Nobuo TAKAHASHI

Execution Date
Month Day Year
09 11 01

Name (line 2)

Receiving Party(ies)

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If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid for Patent Application Number(s) with 5 rows and 3 columns of input boxes.

Grid for Patent Number(s) with 5 rows and 3 columns of input boxes.

11000 U.S. PTO
097962180

09/24/01

ASSIGNMENT

Docket No. _____

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in :
OPTIMIZED PATH ESTABLISHMENT METHOD AND NETWORK MANAGEMENT SYSTEM USING THE
METHOD
 for which

(check one) an application is being filed concurrently herewith,
 an application for a Patent of the United States was filed on _____
 and given Application Serial No. _____

and WHEREAS, FUJITSU LIMITED
 having a place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588 Japan, ASSIGNEE
 is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Satoshi Kawano
 Inventor's signature Satoshi Kawano Date September 11, 2001
 Residence Sendai, Japan Citizenship Japan
 Post Office Address c/o FUJITSU HIGASHI-NIHON COMMUNICATION SYSTEMS LIMITED,
3-5, Ichibancho 3-chome, Aoba-ku, Sendai-shi, Miyagi 980-0811 Japan

Full name of second joint inventor, if any Hidekazu Nakajima
 Second Inventor's signature Hidekazu Nakajima Date September 11, 2001
 Residence Sendai, Japan Citizenship Japan
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 Third Inventor's signature Yoichi Azuma Date September 11, 2001
 Residence Sendai, Japan Citizenship Japan
 Post Office Address c/o FUJITSU HIGASHI-NIHON COMMUNICATION SYSTEMS LIMITED,
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Full name of fourth joint inventor, if any Mitsumaro Kimura

Inventor's Signature Mitsumaro Kimura Date September 11, 2001

Residence Sendai, Japan

Citizenship Japan

Post Office Address c/o FUJITSU HIGASHI-NIHON COMMUNICATION SYSTEMS LIMITED,

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Full name of fifth joint inventor, if any Nobuo Takahashi

Inventor's Signature Nobuo Takahashi Date September 11, 2001

Residence Sendai, Japan

Citizenship Japan

Post Office Address c/o FUJITSU HIGASHI-NIHON COMMUNICATION SYSTEMS LIMITED,

3-5, Ichibancho 3-chome, Aoba-ku, Sendai-shi, Miyagi 980-0811 Japan

Full name of sixth joint inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

Post Office Address _____

Full name of seventh joint inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

Post Office Address _____

Full name of eighth joint inventor, if any _____

Inventor's Signature _____ Date _____

Residence _____

Citizenship _____

Post Office Address _____