

RABIN & CHAMPAGNE, P.C.

STEVEN M. RABIN
THOMAS M. CHAMPAGNE
ROBERT H. BERDO JR.
CHARLES W. PETERSON, JR.
QIXIA ZHANG, Pat. Agent (China)
*ADMITTED TO A BAR OTHER THAN D.C.

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TENT. TRADEMARK
10 COPYRIGHT LAW
HONF (202) 659-1915
FAX: (202) 659-1898
E: rabinow@aol.com

RECORDATION COVER SHEET - PATENT APPLICATION

NAME OF CONVEYING PARTY : Osamu NAKAZAWA
NAME OF RECEIVING PARTY : Oki Electric Industry Co., Ltd.
ADDRESS OF RECEIVING PARTY : 7-12, Toranomon 1-chome, Minato ku,
Tokyo, Japan
NATURE OF CONVEYANCE : Assignment of U.S. patent application
CONVEYANCE EXECUTION DATE : February 4, 2000
PATENT APPLICATION NO. : To Be Assigned
APPLICATION FILED TOGETHER
WITH THIS DOCUMENT : Yes
APPLICATION EXECUTION DATE : February 4, 2000
CORRESPONDENCE ADDRESS : RABIN & CHAMPAGNE, P.C.
1725 K Street, N.W., Suite 1111
Washington, D.C. 20006
ATTORNEY REFERENCE : SAT 145
TOTAL NUMBER OF PATENTS
AND APPLICATIONS INVOLVED : One
TOTAL FEE PAID : \$40.00 E
METHOD OF PAYMENT : [X] Enclosed
[] Authorized to be charged to
deposit account

In the event there is attached hereto no check, or a check for an insufficient amount, please charge the fee to our Account No. 18-0002 and notify us accordingly.

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.

February 15, 2000
Date

Steven M. Rabin
(Reg. No. 29,102)

SMR:lep

Total number of pages including cover sheet, attachments and document: 2

2/2000

Attorney Reference _____

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Osamu NAKAZAWA

hereinafter referred to collectively as the assignor, has invented a certain improvement

relating to DISTRIBUTED DIRECTORY MANAGEMENT SYSTEM

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorneys, Steven M. Rabin, Thomas M. Champagne, Robert H. Berdc, Jr., and Charles W. Peterson, Jr. of RABIN & CHAMPAGNE, P.C., 1725 K Street, N.W., Washington, D.C. 20006, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on _____, Serial No. _____, the United States of America being designated.

AND WHEREAS Oki Electric Industry Co., Ltd., of 7-12, Toranomom1-chome, Minato-ku, Tokyo, Japan hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof.

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 4th day of February, 2000.

WITNESSES:

ASSIGNOR:

Signature: Noritaka KOYAMASignature: Osamu NAKAZAWAName: Noritaka KOYAMAName: Osamu NAKAZAWAAddress: c/o Oki Electric Industry Co., Ltd.,
7-12, Toranomom 1-chome, Minato-ku, Tokyo, JapanSignature: Maki OKUMURAName: Maki OKUMURAAddress: c/o Oki Electric Industry Co., Ltd.,
7-12, Toranomom 1-chome, Minato-ku, Tokyo, JapanRABIN & CHAMPAGNE, P.C., Washington, D.C.

PATENT

RECORDED: 02/15/2000

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