



**ASSIGNMENT**

WHEREAS, Hao-hua Chu and Shoji Kurakake, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled Method and system for effecting migration of application among heterogeneous devices, for a full description of which reference is here made to an application for Letters Patent of the United States filed on December 15, 2000, and assigned Application Serial No. 09/737,733;

WHEREAS, DoCoMo Communications Laboratories USA, Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 181 Metro Drive Suite 300 San Jose, CA 95110, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and

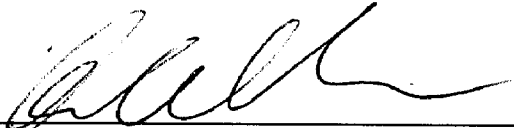
patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

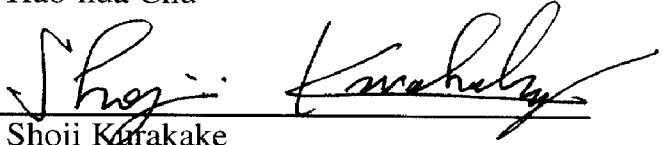
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Hao-hua Chu

DATED:

01-09-2001

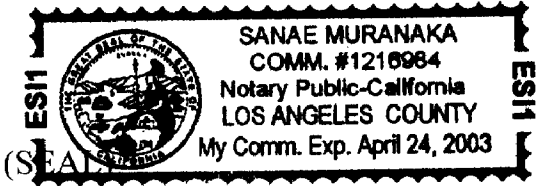
  
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Shoji Karakake

STATE OF California )  
COUNTY OF Los Angeles ) ss.  
Sanae

I, Muranaka Notary Public in and for the County and State aforesaid, do hereby certify that Hao-hua Chu, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 9th day of January, 20 01 .



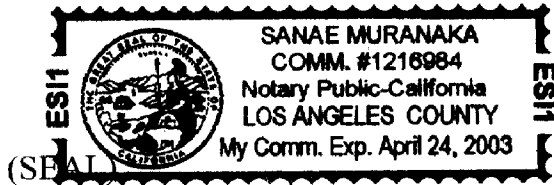
*[Signature]*  
Notary Public

My Commission Expires: April 24, 2003

STATE OF California )  
COUNTY OF Los Angeles ) ss.  
Sanae

I, Muranaka Notary Public in and for the County and State aforesaid, do hereby certify that Shoji Kurakake, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 9th day of January 20 01 .



*[Signature]*  
Notary Public

My Commission Expires: April 24, 2003