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

<p>1. Name of conveying party(ies): Mitsubishi Electronic Information Technology Center America, Inc. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party: Name: <u>Mitsubishi Electronics America, Inc.</u> Internal Address: <u>5665 Plaza Drive</u></p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>July 26, 1999</u></p>	<p>City: <u>Cypress</u> State: <u>CA</u> Zip: <u>90630</u> Street Address: <u>5665 Plaza Drive</u> City: <u>Cypress</u> State: <u>CA</u> Zip: <u>90630</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

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 is: _____

<p>A. Patent Application No(s). <u>09/302,636</u></p>	<p>B. Patent No(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>David T. Burse, Esq.</u> Internal Address: LYON & LYON LLP 633 West Fifth Street, Suite 4700 Los Angeles, CA 90071-2066</p>	<p>6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge this Deposit Account if any additional fee is required 8. Deposit Account Number: <u>12-2475</u></p>
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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

DT Burse Date: August 4, 1999

David T. Burse, Reg No. 37,104

Total number of pages including cover sheet: 3

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ASSIGNMENT

WHEREAS, Shinji Akatsu, Fernando Masami Matsubara, and Shin Miura (collectively hereinafter referred to as “co-inventors”) are co-inventors of a certain invention entitled HOME GATEWAY, for which application for Letters Patent of the United States of America was filed on April 29, 1999 and assigned Serial No. 09/302,636.

WHEREAS, said co-inventors for valuable consideration did assign to MITSUBISHI ELECTRONIC INFORMATION TECHNOLOGY CENTER AMERICA, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at 210 Broadway, Cambridge, MA 02139, and its successors and assigns, said assignment including any and all United States and foreign patents, utility models and design registrations granted for any of said inventions or improvements, a copy of said assignment attached hereto as Exhibit “A”.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, MITSUBISHI ELECTRONIC INFORMATION TECHNOLOGY CENTER AMERICA, INC., hereby assigns the entire right, title and interest in all countries throughout the world excluding the United States and Mexico in the inventions and improvements which are the subject of said patent application, said assignment including any and all non-United States and non-Mexico patents, utility models and design registrations granted for any of said inventions or improvements unto MITSUBISHI ELECTRONICS AMERICA, INC., a corporation organized and existing under an by virtue of the laws of the State of Delaware and having its principal place of business at 5665 Plaza Drive, Cypress, California 90630, and its successors and assigns, including any letters patent arising out of said patent applications and any continuation, division, renewal,

substitute or reissue thereof, or any legal equivalent thereof in all countries excluding the United States and Mexico, for the full term or terms for which the same may be.

MITSUBISHI ELECTRONIC INFORMATION
TECHNOLOGY CENTER AMERICA, INC.

Dated: 7/26/99

By: 
Toshiaki Sakaguchi, Executive Vice President

201 Broadway
Cambridge, MA 02139

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, SHINJI AKATSU, a citizen of JAPAN; FERNANDO MASAMI MATSUBARA, a citizen of MEXICO; and SHIN MIURA, a citizen of JAPAN (hereinafter referred to as "ASSIGNORS"), have invented and own a certain invention entitled HOME GATEWAY for which application for Letters Patent of the United States of America has been executed on even date herewith; and

WHEREAS, MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY CENTER AMERICA, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at 201 Broadway, Cambridge, Massachusetts 02139 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue

said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

June 30, 1999
Date

Shinji Akatsu
Shinji Akatsu

June 23, 1999
Date

Fernando Matsubara
Fernando Masami Matsubara

June 30, 1999
Date

三浦 紳
Shin Miura