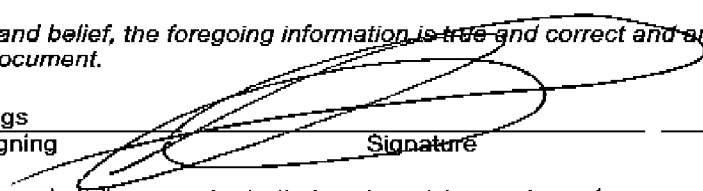


Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Shigehiro Asano (03/22/2004), Atsushi Kunimatsu (04/26/2004), and Yukio Watanabe (03/22/2004) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>Kabushiki Kaisha Toshiba</u> Internal Address: _____ Street Address: _____ 1-1 Shibaura 1-Chome Minato-Ku, Tokyo 105-8001 JAPAN City: _____ State: _____ Zip: _____ Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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>see Box 1, conveying parties</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: _____ A. Patent Application No.(s): <u>09/815,558</u> B. Patent No.(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Arnold B. Dompieri</u> <u>LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP</u> Street Address: <u>600 South Avenue West</u> City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u>			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed) 8. Deposit account number: <u>12-1095</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i> <div><div>Orville R. Cockings Name of Person Signing</div><div> Signature</div><div>May 4, 2004 Date</div></div> Total number of pages including cover sheet, attachments, and documents: <u>4</u>					

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CH \$40.00 121096 09816668

former PTO/SB/15 (8-00) Modified LDLK&M

Docket Number (Optional)

SCEI 3.0-057

ASSIGNMENT OF UTILITY APPLICATION

Whereas, I, Shigehiro Asano of
11510 Kempwood Dr. Austin, Texas, 78750

hereafter referred to as assignor, have with others invented certain new and useful improvements in
**RESOURCE DEDICATION SYSTEM AND METHOD FOR A COMPUTER ARCHITECTURE
 FORBROADBAND NETWORKS**

☒ for which an application for a United States Letters Patent was filed on March 22, 2001
 Application Number 09/815,558

☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Kabushiki Kaisha Toshiba
 a corporation of Japan herein referred to as "assignee" whose mailing address is
1-1 Shibaura 1-Chome; Minato-Ku, Tokyo, 105-8001, JAPAN
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

3/22/2004

(Date)

Shigehiro Asano

(Signature)

State of Texas) SS:
 County of Travis)

On this 22 day of March, 04 before me personally came the above-named Shigehiro Asano, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

[Signature]
 (Notary Public)

☒ *Total of 2 forms are submitted.

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

SCEI 3.0-057

Whereas, I, Atsushi Kunimatsu of
2-11-20-805, Isago, Kawakaki-ku; Kawasaki-city Kanagawa 210-0006, JAPAN

hereafter referred to as assignor, have with others invented certain new and useful improvements in
**RESOURCE DEDICATION SYSTEM AND METHOD FOR A COMPUTER ARCHITECTURE
 FORBROADBAND NETWORKS**

☒ for which an application for a United States Letters Patent was filed on March 22, 2001

Application Number 09/815,558

☐ for which an application for a United States Letters Patent was executed by me on _____,

☐ for which an International Application was filed on _____, as

_____, designating the United States.

And

Whereas, Kabushiki Kaisha Toshiba

a corporation of Japan herein referred to as "assignee" whose mailing address is

1-1 Shibaura 1-Chome; Minato-Ku, Tokyo, 105-8001, JAPAN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

2004, April, 26

Date

Atsushi Kunimatsu

Atsushi Kunimatsu

Takashi Abe

Witness

Takashi Abe

Typed Name of Witness

☐ *Total of 1 forms are submitted.

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

SCEI 3.0-057

Whereas, I, Yukio Watanabe of
7011 W. Parmer Lane, Apt. #615; Austin, Texas 78729

hereafter referred to as assignor, have with others invented certain new and useful improvements in
**RESOURCE DEDICATION SYSTEM AND METHOD FOR A COMPUTER ARCHITECTURE
 FORBROADBAND NETWORKS**

- ☒ for which an application for a United States Letters Patent was filed on March 22, 2001
 Application Number 09/815,558
☐ for which an application for a United States Letters Patent was executed by me on _____
 And

Whereas, Kabushiki Kaisha Toshiba
 a corporation of Japan herein referred to as "assignee" whose mailing address is
1-1 Shibaura 1-Chome; Minato-Ku, Tokyo, 105-8001, JAPAN
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

✓ 3/22/04
 (Date)

✓ Yukio Watanabe
 (Signature)

✓ State of Texas) SS:
 ✓ County of Williamson)

✓ On this 22 day of March, 04 before me personally came the above-named Yukio Watanabe, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

✓ [Signature]
 (Notary Public)

☒ *Total of 2 forms are submitted.