

02-01-2001

FORM PTO-1595(modified) RECO

ET U.S. Department of Commerce  
Patent and Trademark Office

101602580

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Toyonaga Saitou

Additional name(s) of conveying party(ies)  
attached?☐ yes ☒ no

## 2. Name and address of receiving party(ies)

Name: Tsubakimoto Chain Co.

Internal Address: \_\_\_\_\_

Street Address: 17-96, Tsurumi 4-chome, Tsurumi-ku  
Osaka-shi, Osaka, JapanAdditional name(s) & address(es) attached? ☐ yes ☒ no

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: December 22, 2000

## 4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/749096

B. Patent No.(s)

Additional numbers attached: ☐ yes ☒ no5. Name and address of party to whom  
correspondence concerning document should  
be mailed:

Name: HOWSON AND HOWSON

Internal Address: \_\_\_\_\_

Street Address: Box 457

City: Spring House State: PA Zip: 19477

## 6. Total number of applications and

Patents involved: ..... 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Previously sent to PTO

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

08-3040

(Attach duplicate copy of this page if paying by deposit account)

Do not use this space

## 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.

George A. Smith, Jr.

Name of Person Signing

Signature

January 19, 2001

Date

Total number of pages, including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, DC 20231PATENT  
REEL: 011471 FRAME: 0975

ASSIGNMENT (sole inventor)

WHEREAS, Toyonaga Saitou, hereinafter referred to as ASSIGNOR, has invented and is the owner of an invention entitled SILENT CHAIN

said invention being fully set forth and described in the application for United States Letters Patent which is being executed concurrently herewith;

WHEREAS, Tsubakimoto Chain Co., a corporation organized and existing under and by virtue of the laws of Japan, and engaged in business at 17-96, Tsurumi 4-chome, Tsurumi-ku, Osaka-shi, Osaka, Japan, hereinafter referred to as ASSIGNEE, is desirous of acquiring the invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW, THEREFORE, THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR has sold, assigned and set over, and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any and all applications for Letters Patent and Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

And ASSIGNOR hereby authorizes and directs his attorneys, Howson & Howson, to identify in this document the serial number and filing date of the aforesaid application for United

States Letters Patent when the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, this assignment has been executed by me on the date accompanying my signature.

Toyonaga Saito  
Signature

December 22, 2000  
(Date)

Serial Number: 09/749096

Filing date: December 27, 2000

George A. Howson 24442  
Howson and Howson

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 40.00

## Complete if Known

|                      |                 |
|----------------------|-----------------|
| Application Number   | 09/749096       |
| Filing Date          | 12/27/00        |
| First Named Inventor | Toyonaga Saitou |
| Examiner Name        |                 |
| Group Art Unit       |                 |
| Attorney Docket No.  | TWA19USA        |

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 08-3040  
Deposit Account Name: Howson and Howson

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 101 710                    | 201 355                    | Utility filing fee     |          |
| 106 320                    | 206 160                    | Design filing fee      |          |
| 107 490                    | 207 245                    | Plant filing fee       |          |
| 108 710                    | 208 355                    | Reissue filing fee     |          |
| 114 150                    | 214 75                     | Provisional filing fee |          |

SUBTOTAL (1) (\$ )

### 2. EXTRA CLAIM FEES

Total Claims:  - 20\*\* =  X  =   
Independent Claims:  - 3\*\* =  X  =   
Multiple Dependent:  =

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 103 18                     | 203 9                      | Claims in excess of 20                                     |          |
| 102 80                     | 202 40                     | Independent claims in excess of 3                          |          |
| 104 270                    | 204 135                    | Multiple dependent claim, if not paid                      |          |
| 109 80                     | 209 40                     | ** Reissue independent claims over original patent         |          |
| 110 18                     | 210 9                      | ** Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$ )

\*\*for number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130                    | 205 65                     | Surcharge - late filing fee or oath  |          |
| 127 50                     | 227 25                     | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139 130                    | 139 130                    | Non-English specification  |          |
| 147 2,520                  | 147 2,520                  | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112 920*                   | 112 920*                   | Requesting publication of SIR prior to Examiner action                     |          |
| 113 1,840*                 | 113 1,840*                 | Requesting publication of SIR after Examiner action                        |          |
| 115 110                    | 215 55                     | Extension for reply within first month                                     |          |
| 116 390                    | 216 195                    | Extension for reply within second month                                    |          |
| 117 890                    | 217 445                    | Extension for reply within third month                                     |          |
| 118 1,390                  | 218 695                    | Extension for reply within fourth month                                    |          |
| 128 1,890                  | 228 945                    | Extension for reply within fifth month                                     |          |
| 119 310                    | 219 155                    | Notice of Appeal   |          |
| 120 310                    | 220 155                    | Filing a brief in support of an appeal                                     |          |
| 121 270                    | 221 135                    | Request for oral hearing   |          |
| 138 1,510                  | 138 1,510                  | Petition to institute a public use proceeding                              |          |
| 140 110                    | 240 55                     | Petition to revive - unavoidable   |          |
| 141 1,240                  | 241 620                    | Petition to revive - unintentional   |          |
| 142 1,240                  | 242 620                    | Utility issue fee (or reissue)   |          |
| 143 440                    | 243 220                    | Design issue fee   |          |
| 144 600                    | 244 300                    | Plant issue fee  |          |
| 122 130                    | 122 130                    | Petitions to the Commissioner  |          |
| 123 50                     | 123 50                     | Petitions related to provisional applications                              |          |
| 126 240                    | 126 240                    | Submission of Information Disclosure Stmt                                  |          |
| 581 40                     | 581 40                     | Recording each patent assignment per property (times number of properties) | 40.00    |
| 146 710                    | 246 355                    | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149 710                    | 249 355                    | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179 710                    | 279 355                    | Request for Continued Examination (RCE)                                    |          |
| 169 900                    | 169 900                    | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00

## SUBMITTED BY

|                   |                      |                                   |         |           |              |
|-------------------|----------------------|-----------------------------------|---------|-----------|--------------|
| Name (Print/Type) | George A. Smith, Jr. | Registration No. (Attorney/Agent) | 24,442  | Telephone | 215-540-9200 |
| Signature         |                      | Date                              | 1/19/01 |           |              |

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

|                        |                 |
|------------------------|-----------------|
| Application Number     | 09/749096       |
| Filing Date            | 12/27/00        |
| First Named Inventor   | Toyonaga Saitou |
| Group Art Unit         |                 |
| Examiner Name          |                 |
| Attorney Docket Number | TWA19USA        |

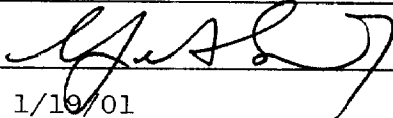
Total Number of Pages In This Submission

**ENCLOSURES (check all that apply)**

|  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input checked="" type="checkbox"/> Assignment Papers (for an Application)              | <input type="checkbox"/> After Allowance Communication to Group                            |
| <input checked="" type="checkbox"/> Fee Attached                             | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> Amendment / Reply                                   | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition   | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Other Enclosure(s) (please identify below):                       |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer  |  |
| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> Request for Refund   |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                                      |  |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |   |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |

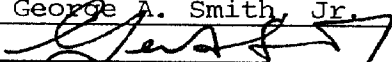
Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |   |        |
|-------------------------|---|--------|
| Firm or Individual name | George A. Smith, Jr.  | 24,442 |
| Signature               |  |        |
| Date                    | 1/19/01   |        |

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 1/19/01

|                       |   |      |         |
|-----------------------|---|------|---------|
| Typed or printed name | George A. Smith, Jr.  | Date | 1/19/01 |
| Signature             |  |      |         |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

**Complete if Known**

|                      |                 |
|----------------------|-----------------|
| Application Number   | 09/749096       |
| Filing Date          | 12/27/00        |
| First Named Inventor | Toyonaga Saitou |
| Examiner Name        |                 |
| Group Art Unit       |                 |
| Attorney Docket No.  | TWA19USA        |

TOTAL AMOUNT OF PAYMENT (\$ 40.00)

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

|                        |                   |
|------------------------|-------------------|
| Deposit Account Number | 08-3040           |
| Deposit Account Name   | Howson and Howson |

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 101          | 710      | 201          | 355      | Utility filing fee     |          |
| 106          | 320      | 206          | 160      | Design filing fee      |          |
| 107          | 490      | 207          | 245      | Plant filing fee       |          |
| 108          | 710      | 208          | 355      | Reissue filing fee     |          |
| 114          | 150      | 214          | 75       | Provisional filing fee |          |

SUBTOTAL (1) (\$)

**2. EXTRA CLAIM FEES**

| Total Claims       |  | Extra Claims |  | Fee from below |  | Fee Paid |  |
|--------------------|--|--------------|--|----------------|--|----------|--|
| Independent Claims |  | -20** =      |  | X              |  | =        |  |
| Multiple Dependent |  | -3** =       |  | X              |  | =        |  |

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 103          | 18       | 203          | 9        | Claims in excess of 20                                     |          |
| 102          | 80       | 202          | 40       | Independent claims in excess of 3                          |          |
| 104          | 270      | 204          | 135      | Multiple dependent claim, if not paid                      |          |
| 109          | 80       | 209          | 40       | ** Reissue independent claims over original patent         |          |
| 110          | 18       | 210          | 9        | ** Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 105          | 130      | 205          | 65       | Surcharge - late filing fee or oath  |          |
| 127          | 50       | 227          | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139          | 130      | 139          | 130      | Non-English specification  |          |
| 147          | 2,520    | 147          | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112          | 920*     | 112          | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113          | 1,840*   | 113          | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115          | 110      | 215          | 55       | Extension for reply within first month                                     |          |
| 116          | 390      | 216          | 195      | Extension for reply within second month                                    |          |
| 117          | 890      | 217          | 445      | Extension for reply within third month                                     |          |
| 118          | 1,390    | 218          | 695      | Extension for reply within fourth month                                    |          |
| 128          | 1,890    | 228          | 945      | Extension for reply within fifth month                                     |          |
| 119          | 310      | 219          | 155      | Notice of Appeal   |          |
| 120          | 310      | 220          | 155      | Filing a brief in support of an appeal                                     |          |
| 121          | 270      | 221          | 135      | Request for oral hearing   |          |
| 138          | 1,510    | 138          | 1,510    | Petition to institute a public use proceeding                              |          |
| 140          | 110      | 240          | 55       | Petition to revive - unavoidable   |          |
| 141          | 1,240    | 241          | 620      | Petition to revive - unintentional   |          |
| 142          | 1,240    | 242          | 620      | Utility issue fee (or reissue)   |          |
| 143          | 440      | 243          | 220      | Design issue fee   |          |
| 144          | 600      | 244          | 300      | Plant issue fee  |          |
| 122          | 130      | 122          | 130      | Petitions to the Commissioner  |          |
| 123          | 50       | 123          | 50       | Petitions related to provisional applications                              |          |
| 126          | 240      | 126          | 240      | Submission of Information Disclosure Stmt                                  |          |
| 581          | 40       | 581          | 40       | Recording each patent assignment per property (times number of properties) | 40.00    |
| 146          | 710      | 246          | 355      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149          | 710      | 249          | 355      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179          | 710      | 279          | 355      | Request for Continued Examination (RCE)                                    |          |
| 169          | 900      | 169          | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

**SUBMITTED BY**

|                   |   |                                   |         |           |              |
|-------------------|---|-----------------------------------|---------|-----------|--------------|
| Name (Print/Type) | George A. Smith Jr.   | Registration No. (Attorney/Agent) | 24,442  | Telephone | 215-540-9200 |
| Signature         |  | Date                              | 1/19/01 |           |              |

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.