



03-11-2004



Form PTO-1595 (Rev. 03/01)

RECORDATION FO

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OMB No. 0651-0027 (exp. 5/31/2002)

PATENTS ONLY 102690876

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

1. Name of conveying party(ies):

Tadao Nishiguchi (12/03/2003), Shinichiro Okamura (12/03/2003), and Hirohisa Furukawa (12/03/2003)

3.5-04

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Omron Corporation

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

Street Address:

801, Minamifudodo-cho  
Horikawahigashiiru, Shiokoji  
Shimogyo-ku, Kyoto-shi  
Kyoto 600-8530  
JAPAN

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Additional name(s) & address(es) attached:  Yes  No

3. Nature of Conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other \_\_\_\_\_

Execution Date: 12/03/2003

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):

10/690,520

B. Patent No.(s): \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas J. D'Amico  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Internal Address: Atty. Dkt.: O3020.0358/P358

Street Address:  
2101 L Street NW

City:  
Washington

State: DC Zip: 20037-1526

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account

Authorized to be charged to credit card  
(Form 2038 enclosed)

8. Deposit account number:

04-1073

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

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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.

Thomas J. D'Amico (28,371)  
Name of Person Signing

Signature

March 5, 2004  
Date

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

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, by Tadao Nishiguchi; Shinichiro Okamura; and Hirohisa Furukawa (hereinafter referred to as Assignors), all residing at c/o OMRON Corporation, 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, Kyoto-shi, Kyoto 600-8530, JAPAN, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **OBJECT DETECTING METHOD AND OBJECT DETECTOR**, set forth in a Patent application for Letters Patent of the United States, already filed on October 23, 2003 as U.S. application No. 10/690,520; and

**WHEREAS**, Omron Corporation, a corporation organized under and pursuant to the laws of Japan having a place of business at 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, Kyoto-shi, Kyoto 600-8530, JAPAN (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the

use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

**DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP**

All practitioners at Customer Number 24998

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

December 3, 2003

Date

Tadao Nishiguchi

Tadao Nishiguchi

**Witness:**

December 3, 2003

Date

Keisuke Saito

**Witness:**

December 3, 2003

Date

Eiji Takemoto

December 3, 2003  
Date

Shinichiro Okamura  
Shinichiro Okamura

**Witness:**

December 3, 2003  
Date

Kepsuke Saito

**Witness:**

December 3, 2003  
Date

Eiji Takemoto

December 3, 2003

Date

H. Furukawa

Hirohisa Furukawa

**Witness:**

December 3, 2003

Date

Keisuke Saito

**Witness:**

December 3, 2003

Date

Seiji Yakemoto