

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Omron Corporation	01/09/2008
RECEIVING PARTY DATA	
Name:	Detelle Relay KG
Street Address:	2711 Centerville Road
Internal Address:	Ste. 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5243687
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ATTORNEY DOCKET NUMBER:	KM0875.002A
NAME OF SUBMITTER:	Russell M. Jeide
<p>Total Attachments: 12</p> <p>source=Assignment-KM0875.002A#page1.tif</p> <p>source=Assignment-KM0875.002A#page2.tif</p>	

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Omron Corporation, a Japanese corporation, with an office at 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, KYOTO 600-8530, Japan, ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Detelle Relay KG, Limited Liability Company, a Delaware limited liability company, with an address at 2711 Centerville Rd, Ste 400, Wilmington, DE 19808 ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that directly or indirectly incorporate by reference the Patents;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other equivalent governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, and discoveries;

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other equivalent governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents

and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind for past, current, and future infringement; and
- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
5,341,323 (07/801,478)	US	8/23/1994 (12/2/1991)	FUZZY MEMBERSHIP FUNCTION CIRCUIT YAMAKAWA, TAKESHI
DE3750361 (DE3750361.8)	DE	8/10/1994 (11/9/1987)	FUZZY RECHNER YAMAKAWA TAKESHI
1,302,587 (CA551665)	CA	6/2/1992 (11/12/1987)	FUZZY COMPUTERS YAMAKAWA TAKESHI
5,179,668 (07/710,551)	US	1/12/1993 (6/5/1991)	SIGNAL PROCESSOR EJIMA, HIDEJI; NISHIDAI, HAJIME
KR78513 (KR19910009554)	KR	6/11/1991	PROCESSOR HAVING INFERENCE STRUCTURE EJIMA HIDEJI; NISHIDAI HAJIME
KR19900070640/KR 700640/90	KR	3/26/1990	METHOD OF OPERATING A FUZZY CONTROLLER AND AN ADJUSTING THEREFOR UEDA DAMIO
5,241,651 (07/613,698)	US	8/31/1993 (11/23/1990)	OPERATING METHOD AND ADJUSTING DEVICE IN FUZZY CONTROL APPARATUS UEDA, TAMIO

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
JP63-247777	JP	9/30/1988	ANTECEDENT PART OF FUZZY INFERENCE DEVICE URASAKI KAZUAKI
5,243,687 (07/406,961)	US	9/7/1993 (9/13/1989)	FUZZY CUMPUTER SYSTEM HAVING A FUZZY INTERFERENCE PROCESSING CIRCUIT FOR CONTROLLING AND ADAPTING OUTPUT SIGNAL TO THE SET MEMBERSHIP SIGNAL ANDO, TANICHI; URASAKI, KAZUAKI
DE68926557 (DE68926557.3)	DE	5/29/1996 (9/20/1989)	FUZZY COMPUTER SYSTEM ANDO TANICHI; URASAKI KAZUAKI
5,249,269 (07/525,779)	US	9/28/1993 (5/21/1990)	COMMUNICATION NETWORK SYSTEM USING A FUZZY CONTROL PROCESS NAKAO, TOSHIRO; MINO, KENJI; TANAKA, KIMIO; KOHSAKA, MASATSUNE
2,050,888 (CA2050888)	CA	6/16/1998 (4/9/1990)	METHOD OF AND APPARATUS FOR EVALUATING MEMBERSHIP FUNCTIONS OR RULES IN FUZZY REASONING SYSTEM ISHIDA TSUTOMU; TSUCHIYA NOBUO; SHOJI KAZUAKI; MATSUNAGA NOBUTOMO
5,305,425 (07/768,675)	US	4/19/1994 (12/30/1991)	METHOD OF AND APPARATUS FOR EVALUATING MEMBERSHIP FUNCTIONS OR RULES IN FUZZY REASONING SYSTEM ISHIDA, TSUTOMU; TSUCHIYA, NOBUO; SHOJI, KAZUAKI; MATSUNAGA, NOBUTOMO

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
JP01-236069	JP	9/12/1989	FUZZY CONTROLLER OTSUBO YUTAKA; URASAKI KAZUAKI; TASAKA YOSHIRO; HISANO ATSUSHI
RE36,421 (USP 5,367,610)	US	11/30/1999 (11/19/1996)	FUZZY CONTROLLER FOR SELECTING AN INPUT SIGNAL OHTSUBO YUTAKA; URASAKI KAZUAKI; TASAKA YOSHIRO; HISANO ATUSHI
5,524,251 (07/548,571)	US	6/4/1996 (7/5/1990)	MICROCOMPUTER HAVING ALU PERFORMING MIN AND MAX OPERATIONS URASAKI, KAZUAKI
5,604,842 (07/881,855)	US	2/18/1997 (5/12/1992)	FUZZY REASONING PROCESSOR AND METHOD, AND RULE SETTING APPARATUS AND METHOD NISHIDAI, HAJIME
EP0513829 (FR92108283.0)	FR	(5/15/1992)	FUZZY REASONING PROCESSOR AND METHOD, AND RULE SETTING APPARATUS AND METHOD NISHIDAI HAJIME
EP513829 (GB92108283.0)	GB	8/6/1997 (5/15/1992)	FUZZY REASONING PROCESSOR AND METHOD, AND RULE SETTING APPARATUS AND METHOD NISHIDAI HAJIME
EP0513829 (IT92108283.0)	IT	(5/15/1992)	FUZZY REASONING PROCESSOR AND METHOD, AND RULE SETTING APPARATUS AND METHOD NISHIDAI HAJIME

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
KR117930 (KR19920008233)	KR	5/15/1992	FUZZY REASONING PROCESSOR AND METHOD AND RULE SETTING APPARATUS AND METHOD NISHIDAI HAJIME
5,608,846 (08/535,328)	US	3/4/1997 (9/27/1995)	FUZZY RULE GENERATOR MITSUBUCHI, KEIJI; ISAKA, SATORU
JP01-045508	JP	2/28/1989	GROUP CONTROL SYSTEM FOR FUZZY CONTROLLER TASAKA YOSHIRO
DE69031605 (DE69031605.4)	DE	10/22/1997 (2/27/1990)	FUZZY CONTROLLER GROUP CONTROL SYSTEM TASAKA YOSHIRO
EP0385387 (FR90103782.0)	FR	10/22/1997 (2/27/1990)	FUZZY CONTROLLER GROUP CONTROL SYSTEM TASAKA YOSHIRO
EP0385387 (GB90103782.0)	GB	10/22/1997 (2/27/1990)	FUZZY CONTROLLER GROUP CONTROL SYSTEM TASAKA YOSHIRO
EP0385387 (IT90103782.0)	IT	10/22/1997 (2/27/1990)	FUZZY CONTROLLER GROUP CONTROL SYSTEM TASAKA YOSHIRO
5,655,056 (08/550,927)	US	8/5/1997 (10/31/1995)	FUZZY CONTROLLER GROUP CONTROL SYSTEM TASAKA, YOSHIRO
AU26624/92	AU	9/29/1992	FUZZY RETRIEVING DEVICE AND ITS METHOD, AND MEMBERSHIP FUNCTION GENERATOR NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
2,112,588 (CA2112588)	CA	10/13/1998 (9/29/1992)	FUZZY RETRIEVAL APPARATUS AND METHOD, AND APPARATUS FOR CREATING MEMBERSHIP FUNCTIONS HAYASHI MOTOJI; NAKAJIMA HIROSHI; KUDO TOSHIMI
DE69226781 (DE69226781.6)	DE	8/26/1998 (9/29/1992)	FUZZY RETRIEVING DEVICE AND ITS METHOD, AND MEMBERSHIP FUNCTION GENERATOR NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI
EP0606474 (GB92920364.4)	GB	8/26/1998 (9/29/1992)	APPARATUS AND METHOD FOR CREATING MEMBERSHIP FUNCTIONS NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI
EP0606474 (IT92920364.4)	IT	8/26/1998 (9/29/1992)	APPARATUS AND METHOD FOR CREATING MEMBERSHIP FUNCTIONS NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI
5,680,606 (08/170,250)	US	10/21/1997 (12/22/1993)	APPARATUS AND METHOD FOR CREATING MEMBERSHIP FUNCTIONS NAKAJIMA, HIROSHI; KUDO, TOSHIMI; HAYASHI, MOTOJI
AU16136/95	AU	3/29/1995	APPARATUS AND METHOD FOR CREATING MEMBERSHIP FUNCTIONS NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI
AU16137/95	AU	3/29/1995	FUZZY RETRIEVAL APPARATUS AND METHOD, AND APPARATUS FOR CREATING MEMBERSHIP FUNCTIONS NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
2,062,742 (CA2062742)	CA	12/9/1997 (7/10/1990)	FUZZY CONTROL APPARATUS IN WHICH RULES CAN BE CHANGED, METHOD OF OPERATING SAME, CONTROL SYSTEM IN WHICH CHANGEOVER IS CONTROLLED BY FUZZY REASONING, AND METHOD OF CONTROLLING THE SAME HISHIDAI HAJIME; MATSUNAGA NOBUTOMO
DE69030190 (DE69030190.1)	DE	3/12/1997 (7/10/1990)	FUZZY CONTROL APPARATUS CAPABLE OF CHANGING RULE AND ITS OPERATION METHOD, AND CONTROL SYSTEM SWITCH-CONTROLLED BY FUZZY INFERENCE AND ITS CONTROL METHOD NISHIDAI HAJIME; MATSUNAGA NOBUTOMO
EP0489913 (FR90910188.3)	FR	3/12/1997 (7/10/1990)	FUZZY CONTROL APPARATUS CAPABLE OF CHANGING RULE AND ITS OPERATION METHOD, AND CONTROL SYSTEM SWITCH-CONTROLLED BY FUZZY INFERENCE AND ITS CONTROL METHOD NISHIDAI HAJIME; MATSUNAGA NOBUTOMO
EP0489913 (GB90910188.3)	GB	3/12/1997 (7/10/1990)	FUZZY CONTROL APPARATUS CAPABLE OF CHANGING RULE AND ITS OPERATION METHOD, AND CONTROL SYSTEM SWITCH-CONTROLLED BY FUZZY INFERENCE AND ITS CONTROL METHOD NISHIDAI HAJIME; MATSUNAGA NOBUTOMO

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
RU5011569/09	RU	7/10/1990	METHOD FOR GENERATION OF FUZZY CONTROL, DEVICE WHICH IMPLEMENTS SAID METHOD, CONTROL METHOD AND SYSTEM WHICH IMPLEMENTS SAID METHOD KHADZIME NISIDAJ; NOBUTOMO MATSUNAGA
KR98565 (KR19910071418/K R91-701418)	KR	10/23/1991	FUZZY CONTROL APPARATUS CAPABLE OF CHANGING RULE AND ITS OPERATION METHOD AND CONTROL SYSTEM SWITCH-CONTROLLED BY FUZZY INFERENCE AND ITS CONTROL METHOD NISHIDAI HAJIME; MATSUNAGA NOBUTOMO
5,515,476 (07/793,443)	US	5/7/1996 (12/13/1991)	FUZZY CONTROL APPARATUS IN WHICH RULES CAN BE CHANGED, METHOD OF OPERATING SAME, CONTROL SYSTEM IN WHICH CHANGEOVER IS CONTROLLED BY FUZZY REASONING, AND METHOD OF CONTROLLING THE SAME NISHIDAI, HAJIME; MATSUNAGA, NOBUTOMO
5,719,999 (08/600,367)	US	2/17/1998 (2/13/1996)	FUZZY CONTROL APPARATUS IN WHICH RULES CAN BE CHANGED, METHOD OF OPERATING SAME, CONTROL SYSTEM IN WHICH CHANGEOVER IS CONTROLLED BY FUZZY REASONING, AND METHOD OF CONTROLLING THE SAME NISHIDAI, HAJIME; MATSUNAGA, NOBUTOMO

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
5,895,458 (08/975,904)	US	4/20/1999 (9/15/1997)	APPARATUS AND METHOD IN WHICH CONTROL RULES CAN BE CHANGED DURING FUZZY REASONING OPERATIONS AND CONTROL SYSTEM AND METHOD IN WHICH CHANGEOVER IS CONTROLLED BY FUZZY REASONING NISHIDAI, HAJIME; MATSUNAGA, NOBUTOMO
DE68928609 (DE68928609.0)	DE	3/18/1998 (12/13/1989)	FUZZY SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
EP0373628 (FR89123056.7)	FR	3/18/1998 (12/13/1989)	FUZZY SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
EP0373628 (GB89123056.7)	GB	3/18/1998 (12/13/1989)	FUZZY SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
EP0373628 (IT89123056.7)	IT	3/18/1998 (12/13/1989)	FUZZY SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
DE68928984 (DE68928984.7)	DE	4/28/1999 (12/13/1989)	FUZZY CONTROL SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
EP0715253 (FR95120411.4)	FR	4/28/1999 (12/13/1989)	FUZZY CONTROL SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
EP0715253 (GB95120411.4)	GB	4/28/1999 (12/13/1989)	FUZZY CONTROL SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
EP0715253 (IT95120411.4)	IT	4/28/1999 (12/13/1989)	FUZZY CONTROL SYSTEM TSUTSUMI, YASUHIRO; OHTSUBO, YUTAKA
RE38,754 (USP 5,193,144)	US	7/5/2005 (3/8/1995)	FUZZY SYSTEM, FUZZY CONTROL SYSTEM DEVELOPMENT SUPPORT APPARATUS, AND METHOD OF DEVELOPING A FUZZY CONTROL SYSTEM OHTSUBO, YUTAKA
EP0606474 (FR92920364.4)	FR	8/26/1998 (9/29/1992)	APPARATUS AND METHOD FOR CREATING MEMBERSHIP FUNCTIONS NAKAJIMA HIROSHI; KUDO TOSHIMI; HAYASHI MOTOJI
4,875,184 (07/116,777)	US	10/17/1989 (11/5/1987)	FUZZY COMPUTERS AND CIRCUITS YAMAKAWA, TAKESHI

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance will include providing, and obtaining from the respective inventors, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers, and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights.

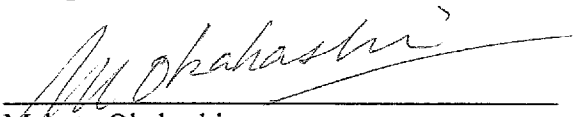
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The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Kyoto Japan on January 09, 2008.

ASSIGNOR:

Omron Corporation

By: 
Name: Makoto Okahashi
Title: General Manager, Intellectual Property Center
(Signature MUST be attested)

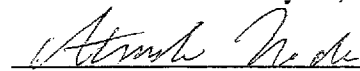
ATTESTATION

The undersigned witnessed the signature of Makoto Okahashi to the above Assignment of Patent Rights on behalf of Omron Corporation and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Makoto Okahashi is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on January 09, 2008 to execute the above Assignment of Patent Rights on behalf of Omron Corporation.
3. Makoto Okahashi subscribed to the above Assignment of Patent Rights on behalf of Omron Corporation.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on January 09, 2008


Print Name: Atsushi Noda