Client Code: KM0892.013NP

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Name of conveying party(ies): (List using letters or numbers for multiple parties) Omron Corporation Additional name(s) of conveying party(ies) attached? () Yes (X) No	2. Name and address of receiving party(ies): Name: U Krowel LLC Address: 2711 Centerville Rd., Ste. 400 Wilmington, DE 19808 Additional name(s) of receiving party(ies) attached? () Yes (X) No
3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other: Execution Date: March 13, 2008	4. US or PCT Application number(s) or US Patent number(s): (X) Patent No.: 5,796,618 Issue Date: August 18, 1998 Additional numbers attached? () Yes (X) No
 5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: KM0892.013NP 	Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h)): \$40 (X) Authorized to be charged to deposit account	 Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.
is a true copy of the original document. Russell M. Jeide Name of Person Signing 54,198 Registration No.	sheet, attachments and document: 23

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Exhibit B

2002

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 U Krowel LLC, 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

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(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</u> <u>Application No.</u>	Country	Filing Date	Title of Patent and First Named Inventor
лез-244968	ЛР	9/29/1988	SYSTEM AND EQUIPMENT FOR FUZZY DATA COMMUNICATION
			HISANO ATSUSHI
4,961,225	US	10/2/1990 (9/27/1989)	FUZZY DATA COMMUNICATION SYSTEM
(07/413,097)		(9/2//1969)	HISANO, ATSUSHI
5,165,011 (07/745,968)	US	11/17/1992 (8/12/1991)	SYSTEM FOR SWITCHING A RULE GROUP
			HISANO, ATSUSHI
JP63-240374	JР	9/26/1988	FUZZY RULE LEARNING DEVICE AND DOMINANT RULE DETECTOR
			HISANO ATSUSHI
JP63-248665	JP63-248665 JP	9/30/1988	MONITOR DEVICE FOR FUZZY INFERENCE DEVICE
			HISANO ATSUSHI
JP63-248666	JP	9/30/1988	FUZZY RULE EVALUATING DEVICE
2, 05 2 10000	"	21221222	HISANO ATSUSHI
TD01 005000	TD.	4/14/1989	RULE GENERATING DEVICE
JP01-095880] JP	4/14/1989	MATSUNAGA NOBUTOMO

Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
5,179,634 (07/888,435)	US	1/12/1993 (5/28/1992)	SYSTEM FOR SYNTHESIZING NEW FUZZY RULE SETS FROM EXISTING FUZZY RULE SETS MATSUNAGA, NOBUTOMO; SHOJI, KAZUAKI
JP63-203912	JР	8/18/1988	RULE GENERATING AND CONFIRMING DEVICE FOR FUZZY CONTROL YAMAKAWA RETSU; ISHIDA TSUTOMU
DE68928071 (DE19896028071T)	DE	1/22/1998 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU PATENT CENTER
EP0355716 (IT89115189.6)	IT	5/28/1997 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0355716 (FR89115189.6)	FR	5/28/1997 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0355716 (GB89115189.6)	GB	5/28/1997 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU

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Patent or Application No.	Country	<u>Filing Date</u>	Title of Patent and First Named Inventor
DE68928208 (DE19896028208)	DE	5/28/1997 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0715256 (IT96100926.3)	гг	7/23/1997 (8/17/1989)	RULE VERIFYING APPARATUS AND METHOD FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0715256 (FR96100926.3)	FR	7/23/1997 (8/17/1989)	RULE VERIFYING APPARATUS AND METHOD FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0715256 (GB96100926.3)	GB	7/23/1997 (8/17/1989)	RULE VERIFYING APPARATUS AND METHOD FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
5,189,728 (07/771,837)	US	2/23/1993 (10/8/1991)	RULE GENERATING AND VERIFYING APPARATUS FOR FUZZY CONTROL YAMAKAWA, TAKESHI; ISHIDA, TSUTOMU
5,239,620 (07/924,589)	us	8/24/1993 (8/6/1992)	RULE GENERATING AND VERIFYING APPARATUS FOR FUZZY CONTROL YAMAKAWA, TAKESHI; ISHIDA, TSUTOMU
5,347,615 (08/078,109)	US	9/13/1994 (6/18/1993)	RULE GENERATING AND VERIFYING APPARATUS FOR FUZZY CONTROL USING TEMPORARY EXCLUSION OF A SELECTED RULE YAMAKAWA, TAKESHI; ISHIDA, TSUTOMU

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
JP01-095862	JР	4/14/1989	SENSORY TEST DEVICE HISANO ATSUSHI
5,239,616 (07/789,540)	US	8/24/1993 (11/8/1991)	PORTABLE FUZZY REASONING DEVICE HISANO, ATSUSHI
5,245,698 (07/745,483)	US	9/14/1993 (8/14/1991)	APPARATUS FOR AND METHOD OF CORRECTING MEMBERSHIP FUNCTIONS
A SAME IV.			MATSUNAGA, NOBUTOMO FUZZY SKILL ELEMENT
JP63-248663	JР	9/30/1988	HISANO ATSUSHI
5,249,258 (07/865,628)	US	9/28/1993 (4/9/1992)	REASONING COMPUTER SYSTEM HISANO, ATSUSHI
5,363,472 (08/051,262)	US	11/8/1994 (4/22/1993)	REASONING COMPUTER SYSTEM HISANO, ATSUSHI
5,479,568 (08/300,486)	US	12/26/1995 (9/2/1994)	REASONING COMPUTER SYSTEM HISANO, ATSUSHI
JP3269108 (JP04-070132)	JР	3/25/2002 (2/21/1992)	OUTPUT DEVICE KOHSAKA, MASATSUNE
5,327,117 (07/855,914)	US	7/5/1994 (3/23/1992)	ADAPTIVE MESSAGE DISPLAY APPARATUS KOHSAKA, MASATSUNE
5,402,525 (08/102,712)	ÚS	3/28/1995 (8/6/1993)	APPARATUS AND METHOD FOR AUTOMATICALLY CREATING MEMBERSHIP FUNCTIONS
			OKUMURA, AKIRA; ISHIDA, TSUTOM

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
DE69322016 (DE69322016.3)	DE	11/11/1998 (8/26/1993)	APPARATUS AND METHOD FOR AUTOMATICALLY CREATING MEMBERSHIP FUNCTIONS AND APPLICATION OF THE APPARATUS AND METHOD FOR FUZZY REASONING
			OKUMURA AKIRA; ISHIDA TSUTOMU
EP0584825 (JT93113686.5)	IT	11/11/1998 (8/26/1993)	APPARATUS AND METHOD FOR AUTOMATICALLY CREATING MEMBERSHIP FUNCTIONS AND APPLICATION OF THE APPARATUS AND METHOD FOR FUZZY REASONING
			OKUMURA AKIRA; ISHIDA TSUTOMU
5,501,538 (08/263,148)	US	3/26/1996 (6/21/1994)	APPARATUS AND METHOD FOR ADJUSTING CHARACTER SPACING SAWADA, AKIRA; KUMAMOTO,
			HIROSHI; SUZUKI, TAKASHI
ZL94106814	CN	6/24/1994	APPARATUS AND METHOD FOR ADJUSTING SPACE BETWEEN CHARACTER
(CN94106814)			SAWADA AKIRA; KUMAMOTO HIROSHI; SUZUKI TAKASHI
KR172461	KR	6/24/1994	APPARATUS AND METHOD FOR ADJUSTING CHARACTER SPACING
(KR19940014542)	N.K.		SAWADA AKIRA; KUMAMOTO HIROSHI; SUZUKI TAKASHI
JP01-107506	JP	4/28/1989	MEMBERSHIP FUNCTION ANALYZER
31 01-107300	11		ISHIDA TSUTOMU

<u>Patent or</u> Appl <u>ication No.</u>	Country	Filing Date	Title of Patent and First Named Inventor
EP0471843 CP	GB	9/3/1997	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE
(GB90906362.0)	GB	(4/24/1990)	ISHIDA TSUTOMU; URASAKI KAZUAKI
EP0471843	T.T.	9/3/1997	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE
(TT90906362.0)	IT	(4/24/1990)	ISHIDA TSUTOMU; URASAKI KAZUAKI
EP0471843		9/3/1997	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE
(FR0471843)	FR	(4/24/1990)	ISHIDA TSUTOMU; URAŠAKI KAZUAKI
DE69031385		4/9/1998 (4/24/1990)	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE
(DE69031385.3)	DE		ISHIDA TSUTOMU; URASAKI KAZUAKI
KR19910071417	KR	10/23/1991	APPARATUS AND METHOD FOR THE DECISION OF MEMBERSHIP FUNCTION
			ISHIDA TSUTOMU; URASAKI KATSUAKI
5,566,274 (07/768,939) US 10/15/1996 (12/17/1991)	10/15/1996 (12/17/1991)	METHOD AND APPARATUS FOR SETTING MEMBERSHIP FUNCTIONS, AND METHOD AND APPARATUS FOR ANALYZING SAME	
			ISHIDA, TSUTOMU; URASAKI, KAZUAKI
EP0606476	GB	1/7/1998	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR
(GB92920905.4)			NAKAJIMA HIROSHI

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
EP0606476 (FR92920905.4)	FR	1/7/1998	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR
(1102220003.4)			NAKAJIMA HIROSHI
EP0606476 (1T92920905.4)	IT	1/7/1998	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR
(11)2)20)00.4)			NAKAJIMA HIROSHI
DE69223979 (DE69223979.0)	DE	8/27/1998 (10/2/1992)	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR
(DE07223777.0)		(10/2/1772)	NAKAJIMA HIROSHI
CA2119568	CA	6/23/1998 (10/2/1992)	FUZZY RETRIEVAL APPARATUS AND METHOD
(CA22119568)		(10/2/1992)	NAKAJIMA HIROSHI
JP2739523	JР	10/2/1992	FUZZY RETRIEVAL APPARATUS AND METHOD
(ЈР05-506784)			NAKAJIMA HIROSHI
5,583,966 (08/204,336)	US	12/10/1996 (3/14/1994)	FUZZY RETRIEVAL APPARATUS AND METHOD
(08/204,230)			NAKAJIMA, HIROSHI
5,758,030 (08/762,962)	US	5/26/1998 (12/10/1996)	FUZZY RETRIEVAL APPARATUS AND METHOD
(08/702,502)		(12/10/1990)	NAKAJIMA, HIROSHI
DE69709480 (DE69709480)		9/19/2002	IMAGE RECOGNITION METHOD AND DEVICE AND COPIER AND SCANNER EMPLOYING SAME
	DE	(4/5/1997)	OHMAE KOUICHI; SONODA SHINYA; KINOSHITA IKUO; NAKAMURA HITOSHI; HIRAISHI JUNJI

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
EP0800123 (FR97105656.9)	FR	1/9/2002 (4/5/1997)	IMAGE RECOGNITION METHOD AND DEVICE AND COPIER AND SCANNER EMPLOYING SAME OHMAE KOUICHI; SONODA SHINYA; KINOSHITA IKUO; NAKAMURA HITOSHI; HIRAISHI JUNJI
EP0800123 (GB97105656.9)	GB	1/9/2002 (4/5/1997)	IMAGE RECOGNITION METHOD AND DEVICE AND COPIER AND SCANNER EMPLOYING SAME OHMAE KOUICHI; SONODA SHINYA; KINOSHITA IKUO; NAKAMURA HITOSHI; HIRAISHI JUNJI
6,188,787 (08/826,701)	US	2/13/2001 (4/7/1997)	IMAGE RECOGNITION METHOD AND DEVICE AND COPIER AND SCANNER EMPLOYING SAME OHMAE, KOUICHI; SONODA, SHINYA; KINOSHITA, IKUO; NAKAMURA, HITOSHI; HIRAISHI, JUNII
6,661,906 (08/993,627)	us	12/9/2003 (12/18/1997)	IMAGE CREATING APPARATUS KAWADE, MASATO; USHIDA, HIROHIDE; TABATA, NAOHIRO
DE69734640 (DE69734640)	DE	8/10/2006 (12/19/1997)	IMAGE CREATING APPARATUS KAWADE MASATO; USHIDA HIROHIDE; TABATA NAOHIRO
EP0849707 (GB97122521.4)	GB	11/16/2005 (12/19/1997)	IMAGE CREATING APPARATUS KAWADE MASATO; USHIDA HIROHIDE; TABATA NAOHIRO

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
JP3312154 (JP06-509831)	JР	8/5/2002 (10/12/1993)	A CAD SYSTEM, METHOD AND MEDIUM FOR CREATING AND ENCODING NC DATA BASED UPON BEFORE AND WORKPIECE MODELS MAEDA TADASU, OTA KOJI, ARAO MASAKI, SOGOU TAIJI, NAKAJIMA HIROSHI, MIYAMOTO NORICHIKA, ISHIGURO SUSUMU, HAYASHI MOTOJI

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.

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 March 13, 2008.

ASSIGNOR:

Omron Corporation

Name: Atsushi Noda_

Title: Manager, Intellectual Property Center

(Signature MUST be attested)

ATTESTATION

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

- 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. Atsushi Noda is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on March 13, 2008 to execute the above Assignment of Patent Rights on behalf of Omron Corporation.
- Atsushi Noda 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 March 13, 2008

Exhibit C

ASSIGNMENT OF RIGHTS IN CERTAIN ASSETS

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 U Krowel LLC, a Delaware limited liability company, with an address at 2711 Centerville Rd, Ste 400, Wilmington, DE 19808 ("Assignee"), or its designees, the right, title, and interest in and to any and all of the following provisional patent applications, patent applications, patents, and other governmental grants or issuances of any kind (the "Certain Assets"):

<u>Patent or</u> <u>Application No.</u>	Country	Filing Date	Title of Patent and First Named Inventor
07/410,270	US	9/21/1989	SYSTEM FOR SWITCHING A RULE GROUP
			ATSUSHI HISANO
EP0361401 (EP89117771.9)	EP	7/24/1996 (9/26/1989)	FUZZY INFERENCE SYSTEM HAVING A RULE PROCESSING MEANS
(210)111//113/		(2/20/1909)	HISANO ATUSHI
DE68926872 (DE68926872.6)	DE	7/24/1996 (9/26/1989)	FUZZY INFERENCE SYSTEM HAVING A RULE PROCESSING MEANS
	•	(3/20/1303)	HISANO ATUSHI
EP0361401 (FR0361401)	FR	7/24/1996 (9/26/1989)	FUZZY INFERENCE SYSTEM HAVING A RULE PROCESSING MEANS
		(2/20/1/02)	HISANO ATUSHI
EP0361401 (GB0361401)	; f+R)	7/24/1996 (9/26/1989)	FUZZY INFERENCE SYSTEM HAVING A RULE PROCESSING MEANS
			HISANO ATUSHI
07/412,014	US	9/25/1989	FUZZY INFERENCE SYSTEM HAVING A RULE PROCESSING MEANS
			ATSUSHI HISANO
5,179,625 (07/880,487)	US	1/12/1993 (5/5/1992)	FUZZY INFERENCE SYSTEM HAVING A DOMINANT RULE DETECTION UNIT
			HISANO, ATSUSHI

<u>Patent or</u> Application No.	Country	Filing Date	Title of Patent and First Named Inventor
EP90107256.1	EP	4/17/1990	FUZZY RULE GENERATOR MATSUNAGA, NOBUTOMO and SHOJI, KATSUAKI
07/509,156	US	4/16/1990	FUZZY RULE GENERATOR NOBUTOMO MATSUNAGA
EP0355716 (EP89115189.6)	EP	5/28/1997 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0355716 (AT89115189.6)	AT	5/28/1997 (8/17/1989)	RULE GENERATING APPARATUS AND METHOD OF GENERATING RULES FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
EP0715256 (EP96100926.3)	EP	7/23/1997 (8/17/1989)	RULE VERIFYING APPARATUS AND METHOD FOR FUZZY INFERENCE YAMAKAWA TAKESHI; ISHIDA TSUTOMU
07/392,303	US	8/11/1989	RULE GENERATING AND VERIFYING APPARATUS FOR FUZZY CONTROL TAKESHI YAMAKAWA
07/714,828	บร	6/13/1991	RULE GENERATING AND VERIFYING APPARATUS FOR FUZZY CONTROL TAKESHI YAMAKAWA
07/509,152	US	4/16/1990	SENSORY INSPECTION DEVICE ATSUSHI HISANO
08/005,155	US	1/15/1993	PORTABLE FUZZY REASONING DEVICE HISANO, ATSUSHI

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
EP89118094.5	EP	9/29/1989	REASONING COMPUTER SYSTEM HISANO ATUSHI OMRON TATEISI EL
EP94110208.9	EP	9/29/1989	REASONING COMPUTER SYSTEM. HISANO ATUSHI C O OMRON CORPOR
07/414,026	US	9/28/1989	FUZZY REASONING COMPUTER SYSTEM ATSUSHI HISANO
07/838,312	US	2/20/1992	FUZZY REASONING COMPUTER SYSTEM ATSUSHI HISANO
07/838,507	US	2/18/1992	REASONING COMPUTER SYSTEM ATSUSHI HISANO
07/891,920	US	6/1/1992	FUZZY REASONING COMPUTER SYSTEM ATSUSHI HISANO
08/037,663	ÜS	3/24/1993	FUZZY REASONING COMPUTER SYSTEM ATSUSHI HISANO
EP0584825 (EP93113686.5)	EP	11/11/1998 (8/26/1993)	APPARATUS AND METHOD FOR AUTOMATICALLY CREATING MEMBERSHIP FUNCTIONS AND APPLICATION OF THE APPARATUS AND METHOD FOR FUZZY REASONING
40.00			OKUMURA AKIRA; ISHIDA TSUTOMU

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1 1 1

<u>Patent or</u> Application No.	Country	<u>Filing Date</u>	Title of Patent and First Named Inventor
EP0584825 (FR93113686.5)	FR	11/11/1998 (8/26/1993)	APPARATUS AND METHOD FOR AUTOMATICALLY CREATING MEMBERSHIP FUNCTIONS AND APPLICATION OF THE APPARATUS AND METHOD FOR FUZZY REASONING
			OKUMURA AKIRA; ISHIDA TSUTOMU
EP0584825 (GB93113686.5)	GB	11/11/1998 (8/26/1993)	APPARATUS AND METHOD FOR AUTOMATICALLY CREATING MEMBERSHIP FUNCTIONS AND APPLICATION OF THE APPARATUS AND METHOD FOR FUZZY REASONING
			OKUMURA AKIRA; ISHIDA TSUTOMU
JP06-151784	JP.	6/10/1994	DEVICE AND METHOD FOR ADJUSTING CHARACTER SPACING
JP00-131764			SAWADA, AKIRA; KUMAMOTO, HIROSHI; SUZUKI, TAKASHI
PCT/JP90/000529	wo	4/24/1990	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE AS WELL AS ANALYTICAL METHOD AND DEVICE
			ISHIDA TSUTOMU; URASAKI KAZUAKI
EP0471843 (EP90906362.0)	EP	9/3/1997 (4/24/1990)	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE
			ISHIDA TSUTOMU; URASAKI KAZUAKI
CA2054703 (CA2054703)	CA	10/29/1990 (4/24/1990)	METHOD AND APPARATUS FOR SETTING MEMBERSHIP FUNCTIONS, AND METHOD AND APPARATUS FOR ANALYZING SAME
			ISHIDA TSUTOMU; URASAKI KAZUAKI

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<u>Patent or</u> Application No.	Country	Filing Date	Title of Patent and First Named Inventor
PCT/JP92/001275	wo	10/2/1992	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR
			NAKAJIMA HIROSHI
PCT/JP93/001626	. wo	11/9/1993	RULE GENERATION APPARATUS AND METHOD
			DE SILVA SURAN
EP93924200.4	EP	11/9/1993	RULE GENERATION APPARATUS AND METHOD.
			DE SILVA SURAN
5,758,031	US	5/26/1998 (8/10/1995)	RULE GENERATING APPARATUS AND METHOD
(08/428,068)			DE SILVA, SURAN
PCT/JP93/00146I	wo	10/12/1993	MACHINING INFORMATION DETERMINING SYSTEM AND METHOD, AND MACHINING PROCESS INFORMATION DETERMINING SYSTEM AND METHOD
			MAEDA TADASU; OTA KOJI; ARAO MASAKI; SOGOU TALJI; NAKAJIMA HIROSHI; MIYAMOTO NORICHIKA; ISHIGURO SUSUMU; HAYASHI MOTOJI
EP93922064.6	EP 10/12/1993	10/12/1993	MACHINING INFORMATION DETERMINING SYSTEM AND METHOD, AND MACHINING PROCESS INFORMATION DETERMINING SYSTEM AND METHOD.
			MAEDA TADASU; OTA KOJI; ARAO MASAKI; SOGOU TAJJI; NAKAJIMA HIROSHI; MIYAMOTO NORICHIKA; ISHIGURO SUSUMU; HAYASHI MOТОЛ

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
5,796,618 (08/416,683)	US	8/18/1998 (4/7/1995)	A CAD SYSTEM, METHOD AND MEDIUM FOR CREATING AND ENCODING NC DATA BASED UPON BEFORE AND WORKPIECE MODELS MAEDA, TADASU; OTA, KOJI; ARAO, MASAKI; SOGOU, TALII; NAKAJIMA, HIROSHI; MIYAMOTO, NORICHIKA; ISHIGURO, SUSUMU; HAYASHI, MOTOJI
09/003,519	US	1/6/1998	A CAD SYSTEM, METHOD AND MEDIUM FOR CREATING AND ENCODING NC DATA BASED UPON BEFORE AND WORKPIECE MODELS MAEDA, TADASU; OTA, KOJI; ARAO, MASAKI; SOGOU, TAJJI; NAKAJIMA, HIROSHI; MIYAMOTO, NORICHIKA; ISHIGURO, SUSUMU; HAYASHI, MOTOJI
EP0800123 (EP97105656.9)	EP	1/9/2002 (4/5/1997)	IMAGE RECOGNITION METHOD AND DEVICE AND COPIER AND SCANNER EMPLOYING SAME OHMAE KOUICHI; SONODA SHINYA; KINOSHITA IKUO; NAKAMURA HITOSHI; HIRAISHI JUNJI
EP0849707 (EP97122521.4)	EP	11/16/2005 (12/19/1997)	IMAGE CREATING APPARATUS KAWADE MASATO; USHIDA HIROHIDE; TABATA NAOHIRO
JP63-238372	л	9/22/1988	SYSTEM FOR SWITCHING A RULE GROUP SWITCH HISANO ATSUSHI
ፓዮ01-236565	JP	9/12/1989	DEVICE FOR SWITCHING RULE GROUP HISANO ATSUSHI

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<u>Patent or</u> Application No.	Country	Filing Date	Title of Patent and First Named Inventor
JP63-248667	ЛР	9/30/1988	DOMINANT PROPOSITION DETECTING DEVICE
			HISANO ATSUSHI
EP0361401 (TT0361401)	IT	3/6/1997 (9/26/1989)	FUZZY INFERENCE SYSTEM HAVING A RULE PROCESSING MEANS
([[030]40])		(5/20/1505)	HISANO ATUSHI
	E.I.		RULE PRODUCING DEVICE
JP01-098358	JP	4/18/1989	MATSUNAGA NOBUTOMO
			FUZZY RULE GENERATOR
JP01-288219	JP	11/6/1989	MATSUNAGA NOBUTOMO; SHOJI KAZUAKI
	KR	4/13/1990	APPARATUS FOR GENERATING FUZZY RULES
KR19900005105			MATSUNAGA NOBUTOMO; SHOЛ KATSUAKI
			FUZZY COMPUTER
JP63-248662	JP	9/30/1988	HISANO ATSUSHI
			ADAPTIVE MESSAGE DISPLAY
JP03-059099	JР	3/22/1991	APPARTUS
			KOUSAKA MASATSUNE
л 1904-248967	JP	8/26/1992	METHOD AND DEVICE FOR AUTOMATIC PRODUCTION OF MEMBERSHIP FUNCTION
			OKUMURA HAMME; ISHIDA TSUTOMU
- BALLY			APPARATUS AND METHOD FOR ADJUSTING CHARACTER SPACING
JP05-155905	JP	6/25/1993	SAWADA AKIRA, KUMAMOTO HIROSHI, SUZUKI TAKASHI

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
JP2814391	JP	10/22/1998	PROGRAMMING DEVICE FOR FUZZY INFERENCE RULE
(Љ01-223271)	J1	(8/31/1989)	URASAKI KAZUAKI
AU636882 (AU19900054396)	AU	5/13/1993 (4/24/1990)	MEMBERSHIP FUNCTION SETTING METHOD AND DEVICE AS WELL AS ANALYTICAL METHOD AND DEVICE ISHIDA TSUTOMU; URASAKI KAZUAKI
JP03-257645	JР	10/4/1991	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR NAKAJIMA HIROSHI
KR19940071082	KR	4/4/1994	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR NAKAJIMA HIROSI
JP04-299406	JP	11/10/1992	RULE GENERATING APPARATUS AND METHOD SURAN DE SILVA
JP05-050846	π	3/11/1993	RULE GENERATING APPARATUS AND METHOD SURAN DE SILVA
JP2621658 (JP06-511921)	JР	6/18/1997 (11/9/1993)	RULE GENERATING APPARATUS AND METHOD SURAN DE SILVA
KR100218073 (KR95-701645)	KR	9/1/1999 (4/28/1995)	RULE GENERATIN APPARATUS AND METHOD DE SILVA SURAN

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
JP04 - 272057	JP	10/9/1992	A CAD SYSTEM, METHOD AND MEDIUM FOR CREATING AND ENCODING NC DATA BASED UPON BEFORE AND WORKPIECE MODELS MAEDA TADASU, OTA KOJI, ARAO MASAKI, SOGOU TALJI, NAKAJIMA HIROSHI, MIYAMOTO NORICHIKA, ISHIGURO SUSUMU, HAYASHI MOTOJI
JP05-007013	JР	1/19/1993	A CAD SYSTEM, METHOD AND MEDIUM FOR CREATING AND ENCODING NC DATA BASED UPON BEFORE AND WORKPIECE MODELS MAEDA TADASU, OTA KOJI, ARAO MASAKI, SOGOU TAIJI, NAKAJIMA HIROSHI, MIYAMOTO NORICHIKA, ISHIGURO SUSUMU, HAYASHI MOTOJI
JP08-108637	JP	4/5/1996	METHOD, DEVICE FOR RECOGNIZING IMAGE, COPY MACHINE MOUNTING THE SAME AND SCANNER OMAE KOICHI; SONODA SHINYA; KINOSHITA IKURO; NAKAMURA HITOSHI; HIRAISHI YORITSUGU
EP0800123 (IT97105656.9)	IT	1/9/2002 (4/5/1997)	IMAGE RECOGNITION METHOD AND DEVICE AND COPIER AND SCANNER EMPLOYING SAME OHMAE KOUICHI; SONODA SHINYA; KINOSHITA IKUO; NAKAMURA HITOSHI; HIRAISHI JUNJI
JP08-339246	JР	12/19/1996	DEVICE AND METHOD FOR FORMING IMAGE, AND IMAGE FORMING PROGRAM STORAGE MEDIUM KAWADE MASAHITO

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<u>Patent or</u> <u>Application No.</u>	Country	Filing Date	Title of Patent and First Named Inventor
EP0606476 (EP92920905.4)	EP	1/7/1998 (10/2/1992)	FUZZY RETRIEVAL UNIT AND METHOD THEREFOR
			NAKAJIMA HIROSHI

KMOB

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