

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Warner Electric Technology, Inc.	07/03/2000

RECEIVING PARTY DATA

Name:	Pacsci Motion Control, Inc.
Street Address:	110 Fordham Road
City:	Wilmington
State/Country:	MASSACHUSETTS
Postal Code:	01887

PROPERTY NUMBERS Total: 34

Property Type	Number
Patent Number:	6100662
Patent Number:	6106307
Patent Number:	6121745
Patent Number:	6238106
Patent Number:	6265802
Patent Number:	4191283
Patent Number:	4207483
Patent Number:	4250762
Patent Number:	4291264
Patent Number:	4310866
Patent Number:	4315305
Patent Number:	4321992
Patent Number:	4327298
Patent Number:	4331994
Patent Number:	4386288

PATENT

500013046

REEL: 015394 FRAME: 0404

CH \$1360.00 6100662

Patent Number:	4406958
Patent Number:	4518907
Patent Number:	4634948
Patent Number:	4647829
Patent Number:	4689023
Patent Number:	4894907
Patent Number:	4954740
Patent Number:	5032816
Patent Number:	5090530
Patent Number:	5099974
Patent Number:	5373755
Patent Number:	5461541
Patent Number:	5567999
Patent Number:	5646496
Patent Number:	5760562
Patent Number:	5809833
Patent Number:	5893440
Patent Number:	5914579
Patent Number:	5967274

CORRESPONDENCE DATA

Fax Number: (703)610-6200

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-610-6100

Email: boxip@hhlaw.com

Correspondent Name: Valerie Brennan

Address Line 1: 8300 Greensboro Drive, Suite 1100

Address Line 2: Box Intellectual Property

Address Line 4: McLean, VIRGINIA 22102

NAME OF SUBMITTER:

Valerie Brennan

Total Attachments: 18

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ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS, dated as of July ^{3rd} 2000 ("Assignment"), by WARNER ELECTRIC TECHNOLOGY, INC., a Delaware corporation ("Assignor"), with its principal place of business at 9211 Forest Hill Avenue, Suite 109 Richmond, Virginia 23235, USA, in favor of PACSCI MOTION CONTROL, INC., a Massachusetts corporation, or its nominee ("Assignee"), with its principal place of business at 110 Fordham Road, Wilmington, MA 01887, USA.

WITNESSETH

WHEREAS, Assignor is the owner of the patents, patent applications and utility models listed on Attachment 1 hereto, which are either issued or pending, respectively, in the United States Patent and Trademark Office and equivalent offices in other relevant jurisdictions (collectively, the "Patents"); and.

WHEREAS, Assignor and Assignee are parties to that certain Stock and Asset Purchase Agreement, dated as of May 3, 2000 and amended as of June 30, 2000 (the "Purchase Agreement"), pursuant to which Assignor has agreed to sell to Assignee and Assignee has agreed to purchase from Assignor the Patents, among other assets.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby assign, transfer, set over, and deliver to Assignee all of Assignor's right, title, and interest in and to the Patents together with (i) all Patents granted on any applications included in the Patents, all continuations, continuations-in-part, divisionals, reissues and re-examinations of said Patents, (ii) all causes of actions, claims and demands or other rights for, or arising from any infringement, including past infringement, of the Patents, all upon the terms and subject to the conditions set forth in the Purchase Agreement, and (iii) all rights corresponding thereto throughout the world.

Assignor further agrees, without further consideration, to cause to be performed such lawful acts and to be executed such further assignments and other lawful documents as Assignee may reasonably request to effectuate fully this Assignment and to permit Assignee to be duly recorded as the registered owner and proprietor of the rights hereby conveyed.

FROM: IMO INDUSTRIES

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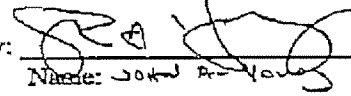
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IN WITNESS WHEREOF, the undersigned has caused this Assignment to be executed by the signature of its duly authorized officer as of the date above first written.

ASSIGNOR:

WARNER ELECTRIC
TECHNOLOGY, INC.

By: 

Name: John P. Young

Title: J.P.

Acknowledged and
Accepted:

ASSIGNEE:

PACSCI MOTION CONTROL, INC.

By: _____

Name:

Title:

(273397)

Jun. 30. 2000^U 4:54PM

DAN R CORPORATION

No. 2359 P. 36/36

IN WITNESS WHEREOF, the undersigned has caused this Assignment
to be executed by the signature of its duly authorized officer as of the date above first
written.

ASSIGNOR:

WARNER ELECTRIC
TECHNOLOGY, INC.

By: _____

Name: _____

Title: _____

Acknowledged and
Accepted:

ASSIGNEE:

PACSCI MOTION CONTROL, INC.

By: _____

Name: JAMES H. DIKOFF

Title: Director

(273397)

Attachment 1

Patents

Country	Owner	Registration No/ Application No.	Grant/ Application	Descriptive Title
Austria	WARNER ELECTRIC TECHNOLOGY, INC.	E 21 155 83850272.2	15.08.86	Positioning apparatus
Belgium	WARNER ELECTRIC TECHNOLOGY, INC.	106 826 83850272.2	30.07.86	Positioning apparatus
Brazil	WARNER ELECTRIC TECHNOLOGY, INC.	PI 9707076		Internal saddle for Linear Actuator
Canada	WARNER ELECTRIC TECHNOLOGY, INC.	2 243 112	31.07.86	Internal saddle for Linear Actuator
Canada	WARNER ELECTRIC TECHNOLOGY, INC.	1244 505 438 733	08.11.88	Positioning apparatus
EPC	WARNER ELECTRIC TECHNOLOGY, INC.	876289 97901891.8	11.11.98	Internal saddle for Linear Actuator
EPC	WARNER ELECTRIC TECHNOLOGY, INC.	97935922.1	mid- December 1999	A device in linear actu- ators
Finland	WARNER ELECTRIC TECHNOLOGY, INC.	83 173 833635	10.06.91	Positioning apparatus
France	WARNER ELECTRIC TECHNOLOGY, INC.	106826 83850272.2	30.07.87	Positioning apparatus
France	WARNER ELECTRIC TECHNOLOGY, INC.	97901891.8	24.01.97	Internal saddle for Linear Actuator
Germany	WARNER ELECTRIC TECHNOLOGY, INC.	97901891.8	24.01.97	Internal saddle for Linear Actuator
Germany	WARNER ELECTRIC TECHNOLOGY, INC.	P33 64987.1 83850272.2	04.09.86	Positioning apparatus
Italy	WARNER ELECTRIC TECHNOLOGY, INC.	106 826 83850272.2	30.07.86	Positioning apparatus
Italy	WARNER ELECTRIC TECHNOLOGY, INC.	97901891.8	24.01.97	Internal saddle for Linear Actuator
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	92013571 83192640	10.03.92	Positioning apparatus

Country	Owner	Registration No./ Application No.	Grant/ Application	Descriptive Title
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	526787-97	not available	Internal saddle for Linear Actuator
Luxembourg	WARNER ELECTRIC TECHNOLOGY, INC.	106.826 83850272.2	30.07.86	Positioning apparatus
Netherlands	WARNER ELECTRIC TECHNOLOGY, INC.	106 826 83850272.2	30.07.86	Positioning apparatus
PCT	WARNER ELECTRIC TECHNOLOGY, INC.	SE98/01239	25.06.98	ERGO-START-P-PCT (application with- drawn)
PCT	WARNER ELECTRIC TECHNOLOGY, INC.	9902892 SE97/01249	21.02.99 09.07.97	A device in linear actuators
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	439968 820923	17.10.85	Positioning apparatus
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	449200 851937	23.07.87	A profiled rail with belt-drive controlled crab carriage/carriages
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	8700459-4 87459	21.09.89	GLIDMUTTERAGG REGAT-P-SE
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	441827 823527	20.02.86	VERKTYGSBANA-P- SE
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	509909 9600280-3	22.03.89	Internal saddle for Linear Actuator
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	99265 9902659-3	12.07.99	MEDBRENGARAN ORDNING VID LINGARENHETER
Switzerland	WARNER ELECTRIC TECHNOLOGY, INC.	106 826 83850272.2	30.07.86	Positioning apparatus
USA	WARNER ELECTRIC TECHNOLOGY, INC.	4566 738 541 135	28.01.86	Positioning apparatus
USA	WARNER ELECTRIC TECHNOLOGY, INC.	117 254	not available	Internal saddle for Linear Actuator
USA	WARNER ELECTRIC TECHNOLOGY, INC.		09.07.97	A device in linear actu- ators

Designs

Country	Owner	Registration No./ Application No.	Grant/ Application	Descriptive Title
France	WARNER ELECTRIC TECHNOLOGY, INC.	267 488-490 88 7140	13.11.89	VERKTYGSVAXL ARE-D-FR
Germany	WARNER ELECTRIC TECHNOLOGY, INC.	M88 03 490.9 M88 03 490.9	02.05.89	Design for a motor trolley suitable for robot and handling system
USA	WARNER ELECTRIC TECHNOLOGY, INC.	316 770 272 681	07.05.91	VERKTYGSVAXL ARE-D-US

SCHEDULE

Patent

Owner	Registration No./ Application No.	Grant/ Application	Descriptive Title
WARNER ELECTRIC TECHNOLOGY, INC.	EP0106 826 EP83850272.2	30.07.86 11.10.83	Positioning apparatus

Registered Design

Owner	Registration No./ Application No.	Grant/ Application	Descriptive Title
WARNER ELECTRIC TECHNOLOGY, INC.	1 054 992 1 054 992	07.06.88	Design for a motor trolley suitable for robot and handling system

(273255/2)

PATENT

REEL: 015394 FRAME: 0413

Country	Owner	Patent No./ Application No.	Grant/ Application	Descriptive Title
Canada S	WARNER ELECTRIC TECHNOLOGY, INC.	1145393 357764	26.04.83 07.08.80	Power Factor Control System for Inverter-Driven A-C
Canada S	WARNER ELECTRIC TECHNOLOGY, INC.	1158718 358526	13.12.83 19.08.80	Controlled D-C Power Supply
Canada S	WARNER ELECTRIC TECHNOLOGY, INC.	1152151 359026	16.08.83 26.08.80	Shootthrough Fault Protection System for a Voltage Source
Canada S	WARNER ELECTRIC TECHNOLOGY, INC.	1152152 359032	16.08.83 26.08.80	Shootthrough Fault Protection System for Bipolar Transistors
Canada S	WARNER ELECTRIC TECHNOLOGY, INC.	1154085 358527	20.09.83 19.08.80	Controlled Regenerative D-C Power Supply
EPC S	WARNER ELECTRIC TECHNOLOGY, INC.	EP0372134 EP88311557.8	05.05.93 07.12.88	Magnetoresistive Sensor Having Interleaved Magnetoresistive
EPC S	WARNER ELECTRIC TECHNOLOGY, INC.	EP0372134 EP88311601.4	16.09.92 07.12.88	Magnetic Rotary Encoder System
EPC S	WARNER ELECTRIC TECHNOLOGY, INC.	0220814 EP86306647.8	15.07.92 28.08.86	Means and Method for Stepping Motor Stabilization
EPC S	WARNER ELECTRIC TECHNOLOGY, INC.	0756369 EP96305439.0	24.07.96	Programmable Termination Strip for Electric Motor

EPC S	WARNER ELECTRIC TECHNOLOGY, INC.	EP98950853.6	02.10.98	Direct Current Command Genera- tion for Stepper Motor
EPC	WARNER ELECTRIC TECHNOLOGY, INC.	EP98307256.2	08.09.92	Wrap Spring Clutch/Brake Unit with Spring Dif- ferential
EPC	WARNER ELECTRIC TECHNOLOGY, INC.	EP98303587.4	07.05.98	Flexible Mounting for a Clutch
EPC S	WARNER ELECTRIC TECHNOLOGY, INC.	0145198 EP84307333.9	28.02.90 25.10.84	Digital Motor Control Method and Means
France S	WARNER ELECTRIC TECHNOLOGY, INC.	9906721	27.05.99	Pluggable I/O Breakout Connec- tor Module
France S	WARNER ELECTRIC TECHNOLOGY, INC.	EP0372134 EP88311557.8	05.05.93 07.12.88	Magnetoresistive Sensor Having In- terleaved Magnetoresistive
France S	WARNER ELECTRIC TECHNOLOGY, INC.	EP0372136 EP88311601.4	16.09.92 07.12.88	Magnetic Rotary Encoder System
France S	WARNER ELECTRIC TECHNOLOGY, INC.	EP0220814 EP86306647.8	15.07.92 28.08.86	Means and Method for Step- ping Motor Stabi- lization
France S	WARNER ELECTRIC TECHNOLOGY, INC.	9602075 9602075	07.05.98 20.02.96	Winding Structure for Operating a Two Phase Motor
France S	WARNER ELECTRIC TECHNOLOGY, INC.	9813153	20.10.98	Operator Panel Keypad for AC Drive
France S	WARNER ELECTRIC TECHNOLOGY, INC.	99/11954	24.09.99	Phase-Shifting Network

France S	WARNER ELECTRIC TECHNOLOGY, INC.	9906721	27.05.99	Pluggable I/O Breakout Connec- tor Module
France	WARNER ELECTRIC TECHNOLOGY, INC.	7915421 7915421	15.06.79 15.06.79	Helical Spring Coupling with Programmable Control Collar
France	WARNER ELECTRIC TECHNOLOGY, INC.	9109754 9109754	06.09.96 31.07.91	Mac-30 Clutch
France	WARNER ELECTRIC TECHNOLOGY, INC.	EP98307256.2	08.09.92	Wrap Spring Clutch/Brake Unit with Spring Dif- ferential
France	WARNER ELECTRIC TECHNOLOGY, INC.	9116256 9116256	27.10.95 27.12.91	Split Spline Wrap Spring Unit
France S	WARNER ELECTRIC TECHNOLOGY, INC.	EP0145198 EP84307333.9	28.02.90 25.10.84	Digital Motor Control Method and Means
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	19924378.6	27.05.99	Pluggable I/O Breakout Connec- tor Module
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	P3880842 EP0372134	05.05.93 07.12.88	Magnetoresistive Sensor Having Interleaved Magnetoresistive
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	P3874748.0 EP0372136	16.09.92 07.12.88	Magnetic Rotary Encoder System
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	P38686020.4 EP0220814	15.07.92 28.08.86	Means and Method for Step- ping Motor Stabi- lization
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	19605662.4	15.02.96	Winding Structure for Operating a Two Phase Motor

Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	19848247.7	20.10.98	Operator Panel Keypad for AC Drive
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	19945656.9	23.09.99	Phase Shifting Network
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	19924378.6	27.05.99	Pluggable I/O Breakout Connec- tor Module
Germany	WARNER ELECTRIC TECHNOLOGY, INC.	P4124753.1	25.07.91	Mac-30 Clutch
Germany	WARNER ELECTRIC TECHNOLOGY, INC.	P4142889.7	23.12.91	Split Spline Wrap Spring Unit
Germany	WARNER ELECTRIC TECHNOLOGY, INC.	EP98307256.2	08.09.92	Wrap Spring Clutch/Brake Unit with Spring Dif- ferential
Germany S	WARNER ELECTRIC TECHNOLOGY, INC.	P3481470.1-08 EP0145198	28.02.90 25.10.84	Digital Motor Control Method and Means
Italy S	WARNER ELECTRIC TECHNOLOGY, INC.	0220814 EP86306647.8	15.07.92 28.08.86	Means and Method for Step- ping Motor Stabi- lization
Italy	WARNER ELECTRIC TECHNOLOGY, INC.	1121330 23658A/79	18.06.79	Helical Spring Coupling with Programmable Control Collar
Italy	WARNER ELECTRIC TECHNOLOGY, INC.	EP98307256.2	08.09.92	Wrap Spring Clutch/Brake Unit with Spring Dif- ferential
Italy S	WARNER ELECTRIC TECHNOLOGY, INC.	0145198 EP84307333.9	28.02.90 25.10.84	Digital Motor Control Method and Means

Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	1651825 67304/1984	30.03.92 04.04.84	Step Motor with Circumferential Stators
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	1385297 110518/1979	31.08.79 31.08.79	Step Motor with Circumferential Stators
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	319334/1988	17.12.88	Magnetic Sensor Having Magneto- resistive Elements
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	2079945 329509	09.08.96 28.12.88	Magnetic Rotary Encoder System
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	2581544 195732/86	21.11.96 22.08.86	Programmable Electrical Connec- tor
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	57012/96	21.02.1996	Winding Structure for Operating a Two Phase Motor
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	522053/99	22.06.99	Direct Current Command Genera- tion for a Stepper Motor
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	316981/98	21.10.1998	Operator Panel Keypad for AC Drive
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	240653/99	25.09.99	Phase Shifting Network
Japan S	WARNER ELECTRIC TECHNOLOGY, INC.	133535/99	14.05.1999	Pluggable I/O Breakout Connec- tor Module
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	1281007 85793/79	06.07.79	Helical Spring Coupling with Programmable Control Collar
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	1259597 89409/81	10.06.91	Wrap Spring Cou- pling with Im- proved Spring

Japan	WARNER ELECTRIC TECHNOLOGY, INC.	280890/91	01.08.91	Mac-30 Clutch
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	361344/91	27.12.91	Split Spline Wrap Spring Unit
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	283575/98	21.09.98	Wrap Spring Clutch/Brake Unit with Spring Differential
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	116615/95	19.04.95	Overrunning Wind up Clutch
Japan	WARNER ELECTRIC TECHNOLOGY, INC.	170530/98	04.06.98	Flexible Mounting for a Clutch
PCT	WARNER ELECTRIC TECHNOLOGY, INC.	PCT/SE97/00113	24.01.97	Internal Saddle for Linear Actuator
Sweden	WARNER ELECTRIC TECHNOLOGY, INC.	9902659-3 9600280.3	26.01.96	Internal Saddle for Linear Activator
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	345879	30.06.99	Step Motor Stabilization Control
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4207483 938925	10.06.80 01.09.78	Step Motor with Circumferential Strators on
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4291264 72523	22.09.81 04.09.79	Power Factor Control System for Inverter-Driven A-C
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4315305 75307	09.02.82 12.09.79	Controlled D-C Power Supply
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4331994 79853	25.05.82 28.09.79	Shootthrough Fault Protection System for a Voltage Source
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4310866 79855	12.01.82 28.09.79	Shootthrough Fault Protection System for Bipolar Transistors

USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4327298 103635	27.04.82 14.12.79	Battery Backup System for a Mi- crocomputer
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4894907 293793	21.01.90 05.01.89	Longitudinally Contoured Electri- cal Conductor for
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5032816 430937	16.07.91 02.11.89	Longitudinally Contoured Electri- cal Conductor for
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4689023 769681	25.08.87 27.08.85	Programmable Electrical Connec- tor
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4406958 251298	27.09.83 06.04.81	Stepping Motors with Disc Magnet
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4386288 266729	31.05.1983 26.05.1981	Stepping Motors Having Detent-ed Winding and Winding
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4634948 735209	06.01.1987 17.05.1985	Stepping Motors Having Detent-ed Winding and Winding
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4647829 772124	03.03.1987 03.09.1985	Means and Method for Step- ping Motor Stabi- lization
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5567999 367049	22.10.1996 30.12.1994	Bobbin Structure for Electromag- netic Coil Assem- bly
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5461541 200071	24.10.1995 22.02.1994	Enclosure for an Electronic Circuit Module
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	855134	13.05.1997	Winding Structure for Operating a Two Phase Motor

USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5646496 619267	08.07.1997 18.03.1997	Apparatus and Method for Gener- ating Digital Posi- tion
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5760562 869456	02.06.1998 05.06.1996	Apparatus and Method for Gener- ating Digital Posi- tion
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	631952	15.04.1996	Laminated Rotor Assembly and Method for Dynamolectric
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	506907	26.07.1995	Programmable Termination Strip for Electric Motor
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5914579 942937	22.06.1999 02.10.1997	Direct Current Command Genera- tion for a Stepper Motor
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	962114	31.10.1997	AC Drive Display
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	955765	21.10.1997	Operator Panel Keypad for AC Drive
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	160837	25.09.1998	Phase Shifting Network
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	265482	09.03.1999	Spring Clamp
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	086166	28.05.1998	Pluggable I/O Breakout Connec- tor Module
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	5914579 942937	22.06.99 02.10.97	Direct Current Command Genera- tion for a Stepper Motor

PATENT

REEL: 015394 FRAME: 0421

USA S	WARNER ELECTRIC TECHNOLOGY, INC.	226138	05.01.1999	Direct Current Command Genera- tion for a Stepper Motor
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	129386	13.04.1999	Step Motor Stabi- lization
USA	WARNER ELECTRIC TECHNOLOGY, INC.	4191283 936491	04.03.80 24.08.78	Helical Spring Coupling with Programmable Control Collar
USA	WARNER ELECTRIC TECHNOLOGY, INC.	4250762 025742	17.02.81 30.03.79	Actuator Having a Drive Screw and Selectively Rotat- able
USA	WARNER ELECTRIC TECHNOLOGY, INC.	4321992 166071	30.03.82 07.07.80	Wrap Spring Cou- pling with Im- proved Spring
USA	WARNER ELECTRIC TECHNOLOGY, INC.	5099974 561095	31.03.92 01.08.90	Electromagneti- cally Actuated Spring Clutch (Mac-30 Clutch)
USA	WARNER ELECTRIC TECHNOLOGY, INC.	5090530 635307	25.02.92 28.12.90	Wrap Spring Clutch/Brake Unit with Spring Dif- ferential
USA	WARNER ELECTRIC TECHNOLOGY, INC.	5967274 955863	21.10.97	Wrap Spring Clutch/Brake Unit with Spring Dif- ferential
USA	WARNER ELECTRIC TECHNOLOGY, INC.	5893440 874876	13.04.99 13.06.97	Flexible Mounting for a Clutch
USA S	WARNER ELECTRIC TECHNOLOGY, INC.	4518907 549438	21.05.85 07.11.83	Digital Motor Control Method and Means

(273161)

Owner	Patent No./ Application No.	Grant/ Application	Descriptive Title
WARNER ELECTRIC TECHNOLOGY, INC. S	EP0372134 EP88311557.8	05.05.93 07.12.88	Magnetoresistive sensor having interleaved elements
WARNER ELECTRIC TECHNOLOGY, INC. S	EP0372136 EP88311601.4	16.09.92 07.12.88	Magnetic rotary encoder system
WARNER ELECTRIC TECHNOLOGY, INC. S	EP0145198 EP84307333.9	28.02.90 25.10.84	Digital motor control method and means
WARNER ELECTRIC TECHNOLOGY, INC. S	EP0220814 EP86306647.8	15.07.92 28.08.86	Means and method for stepping motor stabilization
WARNER ELECTRIC TECHNOLOGY, INC.	GB2028456 GB7916751.6	07.07.82 15.05.79	Helical Spring Coupling with Programmable Control Collar
WARNER ELECTRIC TECHNOLOGY, INC.	GB2246607 GB9116299.0	30.03.94 29.07.91	Electromagnetically actuated spring clutch
WARNER ELECTRIC TECHNOLOGY, INC.	EP98307256.2	29.06.94 12.12.91	Wrap spring clutch/brake unit
WARNER ELECTRIC TECHNOLOGY, INC.	EP0638740 EP94305777.8	08.09.92	Wrap Spring clutch/Brake Unit with Spring Differential
WARNER ELECTRIC TECHNOLOGY, INC.	EP96305440.8	07.01.98 04.08.94	Magnetic Flux Breaker for Solenoid in a Wrap Spring
WARNER ELECTRIC TECHNOLOGY, INC.	GB9623087.5	24.07.96	Pole Piece for Electromagnetic Friction Clutch

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Country	Owner	Patent Registration No./Application No.	Grant/ Application	Descriptive Title
USA	WARNER ELECTRIC TECHNOLOGY, INC.	949710	22.03.94	Load lock for ball nut and screw mechanism
JP	WARNER ELECTRIC TECHNOLOGY, INC.	259008/93	24.09.93	Load lock for ball nut and screw mechanism
JP	WARNER ELECTRIC TECHNOLOGY, INC.	196196/94	29.07.94	Skirt deflector for a ball nut and screw de- vice
SE	WARNER ELECTRIC TECHNOLOGY, INC.	9402597-0	11.01.99	Skirt deflector for a ball nut and screw de- vice
USA	WARNER ELECTRIC TECHNOLOGY, INC.	099945	20.12.94	Skirt deflector for a ball nut and screw de- vice
USA	WARNER ELECTRIC TECHNOLOGY, INC.	718878	24.09.96	Linear actuator
EP	WARNER ELECTRIC TECHNOLOGY, INC.	EP97307244.0	18.9.97	Linear actuator
US	WARNER ELECTRIC TECHNOLOGY, INC.	593329	31.01.96	Linear actuator control circuit with electrical arc suppression
US	WARNER ELECTRIC TECHNOLOGY, INC.	040004	23.11.99	Spring-set centrifugally released brake
EP	WARNER ELECTRIC TECHNOLOGY, INC.	99301986.8	15.03.99	Spring-set centrifugally released brake
USA	WARNER ELECTRIC TECHNOLOGY, INC.	443235	18.11.99	Linear actuator
USA	WARNER ELECTRIC TECHNOLOGY, INC.			NSK German APPLN 44443924 for ball screw

(273992.)

PATENT

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REEL: 015394 FRAME: 0424