

*Corrective MRD*

05-06-2002

FORM PTO 1595  
(Rev. 6-93)

*5/8/02*

RECORDATION  
PATENT



PARTMENT OF COMMERCE  
and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

102075733

To the Honorable Commissioner of Patents and Trademarks, Washington, D.C. 20231  
Mail documents or copy thereof.

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

**APW Ltd.**  
N22 W23685  
Ridgeview Parkway West  
Waukesha, Wisconsin 53188

**APW North America, Inc.**  
N22 W23685  
Ridgeview Parkway West  
Waukesha, Wisconsin 53188

2. Name and address of receiving party(ies)

Name: Royal Bank of Scotland, PLC

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

Street Address: Waterhouse Square 138-142 Holborn

City: London ECIN2th

Country: England

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

3. Nature of conveyance:

- Assignment  Merger
- Security Interest  Change of Name

Other Document previously recorded at Reel 012520, Frame 0298 contained an error in Patent No. D283284. Document re-recorded to correct error on stated reel.

Execution Date: May 15, 2001

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

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

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

A. Patent Application No.(s)

B. Patent No.(s)

D293284

Additional numbers attached?  Yes  No

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

Name: Devan V. Padmanabhan

Internal Address: DORSEY & WHITNEY LLP

Street Address: Suite 1500, 50 South Sixth Street

City: Minneapolis State: MN ZIP 55402-1498

6. Total Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) . . . 1 x \$40. . . . . \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account number: 04-1420  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

*Charge fee*

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.

Devan V. Padmanabhan  
Name of Person Signing  
Reg. No. 38,262

*Devan V. Padmanabhan*  
Signature

May 8, 2002  
Date

Total number of pages including cover sheet, attachments, and document: 20

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks,  
BOX ASSIGNMENTS  
Washington, D.C. 20231

FORM PTO 1595 (Rev. 6-93)	F	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
OMB No. 0651-0011 (exp. 4/94)		
To the Honorable Commissioner of		

<p>1. Name(s) of conveying party(ies):</p> <p><b>APW Ltd.</b> N22 W23685 Ridgeview Parkway West Waukesha, Wisconsin 53188</p> <p><b>APW North America, Inc.</b> N22 W23685 Ridgeview Parkway West Waukesha, Wisconsin 53188</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Other <u>Security Interest</u></p> <p>Execution Date: <u>May 15, 2001</u></p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>Royal Bank of Scotland, PLC</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Waterhouse Square 138-142 Holborn</u></p> <p>City: <u>London EC1N2th</u></p> <p>Country: <u>England</u></p> <p>Additional name(s) &amp; address(es) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <div style="border: 2px solid black; padding: 5px; text-align: center;"> <p>RECEIVED</p> <p>JAN 18 2002</p> </div>
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4. Application number(s) or patent number(s): Please see Attachment 1  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) <u>See Attachment 1</u>	B. Patent No.(s) <u>See Attachment 1</u> <u>09567549</u>
Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Devan V. Padmanabhan</u></p> <p>Internal Address: <u>DORSEY &amp; WHITNEY LLP</u></p> <p>Street Address: <u>Suite 1500, 50 South Sixth Street</u></p> <p>City: <u>Minneapolis</u> State: <u>MN</u> ZIP <u>55402-1498</u></p>	<p>6. Total Number of applications and patents involved: <u>43</u></p> <p>7. Total fee (37 CFR 3.41) . . . 43 x \$40 . . . . . <u>\$1,720.00</u></p> <p><input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account number: <u>04-1420</u>        (Attach duplicate copy of this page if paying by deposit account)</p>
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**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.

Devan V. Padmanabhan  
 Name of Person Signing  
 Reg. No. 38,262

Devan V. Padmanabhan  
 Signature

Dec. 17, 2001  
 Date

Total number of pages including cover sheet, attachments, and document: 15

Mail documents to be recorded with required cover sheet information to:

02/01/2002 LMUELLER 00000123 09567549

01 FC:581 1720.00 DP

Commissioner of Patents & Trademarks,  
 BOX ASSIGNMENTS  
 Washington, D.C. 20231

**Attachment 1 to Recordal Cover Sheet**  
**Continuation of Item 4A. and 4B.**

**U.S. Patent Applications**

<b>TITLE</b>	<b>APPLICATION NUMBER</b>
Electronic Enclosure Improvements	09/567,549
A Support Member For A Cabling And Associated Equipment Enclosure	09/688,905
Mounting Bracket	09/696,296
System And Method For Bridging Bus Segments On A Backplane And Coupling Single Board	09/659,344
Improved Air-To-Air Heat Exchanger	09/366,079
Direct Drive Inside-Out Brushless Roller Motor	09/700,447
Method For Manufacturing A Rotor	60/245,631

**U.S. Patents - Issued**

<b>PATENT TITLE</b>	<b>PATENT NUMBER</b>	<b>ISSUE DATE</b>
Sliding Printer Drawer For Attaching To A Cabinet	D288,504	3-3-1967
Cable Bushing	4,520,976	6-4-1985
Copy Holder	4,569,498	2-11-1986
Filing Container	D285,098	8-12-1986
Ejector For Printed Circuit Board Plug-In Unit	4,603,375	7-29-1986
Stationary Storing and Dispensing System	4,684,027	8-4-1987
Shelf For Computer Keyboard Or The Like	D292,858	11-24-1987
Shelf For Computer Keyboard Or The Like	D293,055	12-8-1987
Computer Workstation	D283,284	12-22-1987

<b>PATENT TITLE</b>	<b>PATENT NUMBER</b>	<b>ISSUE DATE</b>
Keyboard Support Drawer For Computer Workstation	D293,530	1-5-1988
Electronic Equipment Support Shelf	D293,531	1-5-1988
Drawer With Reference Shelf	D299,394	1-17-1989
Retainer For Holding A Printed Circuit Card Between Spaced Surfaces	4,823,951	4-25-1989
Coding System	4,844,509	7-4-1989
Coding System	4,856,820	8-15-1989
Storing And Dispensing System	4,878,583	11-7-1989
Storing And Dispensing System	4,913,296	4-30-1990
Printed Circuit Board Retainer Assembly	5,036,428	7-30-1991
File Device Hanger Bar	5,224,608	7-6-1993
Printed Circuit Board Retainer	5,290,122	3-1-1994
Circuit Board Injector/Ejector Device For A Circuit Board Enclosure	5,293,303	3-8-1994

<b>PATENT TITLE</b>	<b>PATENT NUMBER</b>	<b>ISSUE DATE</b>
Locking Circuit Board Injector/Extractor	5,309,325	5-3-1994
Modular Library System With Stationary And Mobile Racks For Storage Of Computer Cartridges	5,341,944	8-30-1994
Assembly For Receiving And Retaining A Circuit Board Retainer	5,404,274	4-4-1995
Circuit Board Retainer Having A Spring Body Member	5,407,297	4-18-1995
Shelf Support and Electrical Cable Management Structure	D363,701	10-31-1995
Retainer Assembly	5,485,353	1-16-1996
Method And Device For Testing Airflow In An Enclosed Cabinet For Electronic Equipment	5,649,766	7-22-1997
Camera Housing	D392,300	3-17-1998
Distribution Duct For Work Space Environment System	5,881,500	3-16-1999
Method And Assembly For Manufacturing A Convoluted Heat Exchanger Core	5,937,519	8-17-1999

<b>PATENT TITLE</b>	<b>PATENT NUMBER</b>	<b>ISSUE DATE</b>
Camera Housing	5,966,176	10-12-1999
Blower Wheel	6,024,543	2-15-2000
Low Cost Resolver System	6,084,376	7-4-2000
Computer Console End	D434,412	11-28-2000
Computer Console End	D438,537	3-6-2001

**ASSIGNMENT OF SECURITY INTEREST  
IN UNITED STATES TRADEMARKS AND PATENTS**

**FOR GOOD AND VALUABLE CONSIDERATION**, receipt and sufficiency of which are hereby acknowledged, APW LTD., a Bermuda corporation (the "Parent"), APW NORTH AMERICA, INC., a Delaware corporation ("APW-NA"), the other persons or entities which are listed on the signature pages hereof as assignors or which from time to time become parties hereto as assignor (collectively, including the Parent and APW-NA, the "Assignors" and individually each a "Assignor"), hereby assign and grant to Royal Bank of Scotland, PLC for itself and as Agent for National Westminster Bank, PLC (the "Assignee"), a security interest in (i) all of the Assignors' right, title and interest in and to the United States trademarks, trademark registrations and trademark applications (the "Marks") set forth on Schedule A attached hereto, (ii) all of the Assignors' right, title and interest in and to the United States patents and patent applications (the "Patents") set forth on Schedule B attached, in each case together with (iii) all Proceeds (as such term is defined in the Security Agreement referred to below) and products of the Marks and Patents, (iv) the goodwill of the businesses with which the Marks are associated and (v) all causes of action arising prior to or after the date hereof for infringement of any of the Marks and Patents or unfair competition regarding the same. It is acknowledged by Assignee that this assignment is subordinate to any prior validly perfected assignment in favor of Bank of America National Association or Administrative Agent for certain Banks under a Multi Currency Credit Agreement dated as of July 31, 2000.

**THIS ASSIGNMENT** is made to secure the satisfactory performance and payment of all the Obligations of each of the Assignors, pursuant to the Security



Agreement among the Assignors, the other assignors from time to time party thereto and the Assignee, dated as of March 30, 2001 (as amended from time to time, the "Security Agreement"). Upon the payment in full of all Liabilities and the termination of all Commitments, the Assignee shall, upon such satisfaction, execute, acknowledge, and deliver to the Assignors an instrument in writing releasing the security interest in the Marks and Patents acquired under this Assignment.

This Assignment has been granted in conjunction with the security interest granted to the Assignee under the Security Agreement. The rights and remedies of the Assignee with respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Assignment are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern. Capitalized terms that are not otherwise defined herein shall have the respective meanings assigned thereto in the Security Agreement.

**IN WITNESS WHEREOF**, the undersigned have executed this assignment as of  
the 15<sup>th</sup> day of May, 2001.


APW LTD.



By: James Maxwell  
Title: Assistant Treasurer

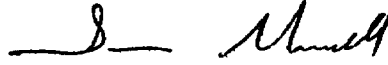
**DOMESTIC SUBSIDIARIES OF  
PARENT:**

APW MAYVILLE, LLC  
APW WRIGHT LINE LLC  
ASPEN POWER SYSTEMS, LLC  
EDER INDUSTRIES INC.  
VERO ELECTRONICS INC.



By: James Maxwell  
Title: Treasurer or Assistant Treasurer, as  
applicable

APW NORTH AMERICA INC.

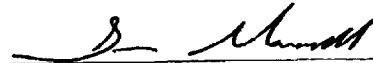


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By: James Maxwell  
Title: Treasurer

**DOMESTIC SUBSIDIARIES OF APW-NA:**

APW ENCLOSURE SYSTEMS, INC.  
APW-ERIE, INC.  
ASPEN MOTION TECHNOLOGIES INC.  
CAMBRIDGE AEROFLO, INC.  
ELECTRONIC SOLUTIONS  
HSP USA INC.  
INNOVATIVE METAL FABRICATION,  
INC.  
MCCLEAN MIDWEST CORPORATION  
MCCLEAN WEST INC.  
METAL ARTS MANUFACTURING, INC.  
PRECISION FABRICATION  
TECHNOLOGIES, INC.  
RUBICON USA INC.  
ZERO-EAST DIVISION,  
ZERO CORPORATION  
ZERO ENCLOSURES, INC.  
ZERO INTERNATIONAL, INC.



---

By: James Maxwell  
Title: Treasurer, Assistant Treasurer or  
Chief Financial Officer, as applicable

APW ENCLOSURE SYSTEMS  
HOLDING, INC.



By: ~~Howard Lederman~~ James Mauer  
Title: ~~Vice President~~ Treasurer

APW ENCLOSURE SYSTEMS, LP by  
APW ENCLOSURE SYSTEMS  
HOLDING, INC., its General Partner



By: ~~Howard Lederman~~ James Mauer  
Title: ~~Vice President~~ Treasurer

ROYAL BANK OF SCOTLAND, PLC

By: \_\_\_\_\_  
Title:

## SCHEDULE A

OWNER	MARK	REG. NO.	REG. DATE
APW Ltd.	APW	76/088,442	Pending
APW Ltd.	STEALTHBRIDGE	76/208,758	Pending
APW North America, Inc.	ZERO	670,062	25-Nov-58
APW North America, Inc.	ZERO-TRAK	775,618	25-Aug-64
APW North America, Inc.	ALUMA-TRAK	817,252	25-Oct-66
APW North America, Inc.	SCANBE	845,812	12-Mar-68
APW North America, Inc.	ZERO and Design	1,027,253	16-Dec-75
APW North America, Inc.	ZERO CENTURION	1,032,120	03-Feb-76
APW North America, Inc.	LOK—TAINER	1,887,585	21-Mar-78
APW North America, Inc.	ZERO HALLIBURTON	1,184,578	05-Jan-82
APW North America, Inc.	ONYX and Design	1,215,834	09-Nov-82
APW North America, Inc.	22	1,923,655	03-Oct-95
APW North America, Inc.	ELECTRO-GRAPHS	1,962,461	12-Mar-96
APW North America, Inc.	ZEROLLER	1,977,670	04-Jun-96
APW North America, Inc.	CAB CAD	2,128,177	13-Jan-98
APW North America, Inc.	SMARTCHASSIS	2,133,506	27-Jan-98
APW North America, Inc.	Double Bead Design	2,154,594	05-May-98
APW North America, Inc.	MAGNUM	2,179,274	04-Aug-98
APW North America, Inc.	ZERO	2,182,340	18-Aug-98
APW North America, Inc.	DOT TEN and Design	2,209,775	08-Dec-98
APW North America, Inc.	WEDGE-LOK	2,224,920	23-Feb-99
APW North America, Inc.	QUICKSILVER	75/449,710	Pending
APW North America, Inc.	SWING OUT	75/426,678	Pending
McLean Midwest Corporation	GENESIS	2 2,239, 588	13-Apr-99
Vero Electronics Ltd. (UK)	VERO and design	2,204,786	09-Aug-96
Vero Electronics Ltd. (UK)	V and design	2,270,112	17-Aug-96
Vero Electronics Ltd. (UK)	VERAK	2,179,987	11-Aug-98
Vero Electronics Ltd. (UK)	VEROTEC	2,256,222	29—Jun-99
Wright Line Inc.	OPTIMEDIA	1,006,342	11-Mar-75
Wright Line Inc.	DOCU-MATE	1,172,296	06-Oct-81
Wright Line Inc.	TRI-CODE	1,497,722	26-Jul-88
Wright Line Inc.	LINX	1,993,431	13-Aug-96
Wright Line Inc.	MCLEAN	75/745,661	Pending
Wright Line Inc.	RACKVIEW	76/225,517	Pending

## SCHEDULE B

OWNER	PATENT	REG. NO.	REG. DATE
Applied Power Inc.	Storing and Dispensing System	4,913,296	4/3/90
Applied Power Inc.	Computer Console End	D434,412	11/28/00
Applied Power Inc.	Computer Console End	D438,537	3/6/01
APW Electronics Ltd. (UK)	Circuit Board Injector/Ejector Device for a Circuit Board Enclosure	5,293,303	3/8/94
APW Electronics Ltd. (UK)	Method and Device for Testing Airflow in an Enclosed Cabinet for Electronic Equipment	5,649,766	7/22/97
APW Ltd.	Electronic Enclosure Improvements	09/567,549	Pending
APW Ltd.	A Support Member for a Cabling and Associated Equipment Enclosure	09/688,905	Pending
APW Ltd.	Mounting Bracket	09/696,296	Pending
APW Ltd.	System and method for bridging bus segments on a backplane and coupling single board	09/659,344	Pending
APW North America Inc.	Improved Air-to-Air Heat Exchanger	09/366,079	Pending
Aspen Motion Technologies Inc.	Low Cost Resolver System	6,084,376	7/4/00
Aspen Motion Technologies Inc.	Direct Drive Inside-Out Brushless Roller Motor	09/700,447	Pending
Aspen Motion Technologies Inc.	Method for Manufacturing a Rotor	60/245,631	Pending
Wright Line Inc.	Cable Bushing	4,520,976	6/4/85
Wright Line Inc.	Copy Holder	4,569,498	2/11/86
Wright Line Inc.	Filing Container	D285,098	8/12/86
Wright Line Inc.	Sliding Printer Drawer for Attaching to a Cabinet	D288,504	3/3/67
Wright Line Inc.	Stationary Storing and Dispensing System	4,684,027	8/4/87
Wright Line Inc.	Shelf for Computer Keyboard or the Like	D292,858	11/24/87
Wright Line Inc.	Shelf for Computer Keyboard or the Liek	D293,055	12/8/87
Wright Line Inc.	Computer Workstation	D283,284	12/22/87
Wright Line Inc.	Keyboard Support Drawer for Computer Workstation	D293,530	1/5/88
Wright Line Inc.	Electronic Equipment Support Shelf	D293,531	1/5/88
Wright Line Inc.	Drawer with Reference Shelf	D299,394	1/17/89
Wright Line Inc.	Coding System	4,844,509	7/4/89
Wright Line Inc.	Coding System	4,856,820	8/15/89
Wright Line Inc.	Storing and Dispensing System	4,878,583	11/7/89
Wright Line Inc.	File Device Hanger Bar	5,224,608	7/6/93
Wright Line Inc.	Modular Library System with stationary and Mobile Racks for Storage of Computer Cartridges	5,341,944	8/30/94

OWNER	PATENT	REG. NO.	REG. DATE
Wright Line Inc.	Shelf Support and Electrical Cable Management Structure	D363,701	10/31/95
Wright Line Inc.	Distribution Duct for Work Space Environment System	5,881,500	3/16/99
Zero Corporation	Ejector for Printed Circuit Board Plug-In Unit	4,603,375	7/29/86
Zero Corporation	Retainer for Holding a Printed Circuit Card Between Spaced Surfaces	4,823,951	4/25/89
Zero Corporation	Printed Circuit Board Retainer Assembly	5,036,428	7/30/91
Zero Corporation	Printed Circuit Board Retainer	5/290,122	3/1/94
Zero Corporation	Locking Circuit Board Injector/Extractor	5,309,325	5/3/94
Zero Corporation	Assembly for Receiving and Retaining a Circuit Board Retainer	5,404,274	4/4/95
Zero Corporation	Circuit Board Retainer Having a Spring Body Member	5,407,297	4/18/95
Zero Corporation	Retainer Assembly	5,485,353	1/16/96
Zero Corporation	Camera Housing	D392,300	3/17/98
Zero Corporation	Method and Assembly for Manufacturing a Convolute Heat Exchanger Core	5/937,519	8/17/99
Zero Corporation	Camera Housing	5,966,176	10/12/99
Zero Corporation	Blower Wheel	6,024,543	2/15/00