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RECORDED



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket 4136-0

101588880

To the Honorable Commissioner of Patents

attached original documents or copy thereof.

1. Name of conveying party(ies):
Thermalloy, Inc.

MAD
11.6.00



2. Name and address of receiving party(ies):
Name: Aavid Thermalloy, LLC
Internal Address:
Street Address: One Eagle Square
City: Concord, New Hampshire
State/Country: USA
Zip: 03301

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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 25, 2000

4. Application number(s) or patent number(s): **SEE ATTACHED SHEETS**
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s)
SN.:
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Martin B. Pavane
Internal Address: Cohen, Pontani, Lieberman & Pavane
Street Address: 551 Fifth Avenue, 12th Floor
City: New York State: New York Zip: 10176

6. Total number of applications and patents involved: 59
7. Total fee (37 CFR 3.41):.....\$ 2,360.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number: 03-2412
(Attach duplicate copy of this page if paying by deposit account)

11/01/2000 MTHALL 00000001 09151927
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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.

Martin B. Pavane
Name of Person Signing
Reg. No. 28,337

Signature

November 1, 2000
Date

Total number of pages including cover sheet, attachments, and document: 14

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents
Washington, D.C. 20231

APPLICATIONS

SERIAL NUMBER

09/151,927
09/490,752
09/099,486
09/332,615
08/669,875
08/877,944
09/169,055

FILING DATE

9/11/98
1/26/00
6/17/98
6/14/99
6/21/96
6/18/97
10/9/98

PATENTS

PATENT NUMBER

4,884,331
4,879,891
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PATENT NUMBER

4,962,442

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D300,738

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5,847,928

6,059,116

5,897,917

5,590,025

5,677,829

5,991,154

5,844,312

5,640,305

PATENT ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, **Thermalloy, Inc.** ("ASSIGNOR"), through its undersigned officer,

Hereby sells, assigns and transfers to **Aavid Thermalloy, LLC** ("ASSIGNEE"), a limited liability company of the State of Delaware, having a place of business at One Eagle Square, Concord, New Hampshire 03301, its successors, assigns and legal representatives, its entire right, title and interest in and to the applications for United States Letters Patent identified in Exhibit A hereto (the "Applications"), and the issued United States Letters Patent identified in Exhibit B hereto (the "Patents"); and to any and all inventions disclosed in the Applications and Patents, and including all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions disclosed in the Applications and/or the Patents; and in and to all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries for such inventions; and including the right to sue for infringement of any such patent and to recover damages for the past, present or future infringement thereof;

Agrees that Assignee may apply for and receive Letters Patent for said inventions in its own name; that, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, Assignor will execute or cause to be executed all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications concerning said



EXHIBIT A - "APPLICATIONS"

AAVID THERMALLOY TRANSFER TABLE

FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-139CPA	04/04/00 assumed file 4/3/00	08/792,864	01/31/97	U.S. Patent Application Heat Dissipating Assembly Former Atty Ref. No. 88721-64288			Thermalloy, Inc.
4136-149CIP	4/28/00	09/151,927	9/11/98	U.S. Patent Application For: Heat Sink Assembly Former Atty No.: 88721-64495			Thermalloy, Inc.
4136-171	5/8/00	09/490,752	1/26/00	U.S. Patent Application For: Mounting Assembly And Retention Bracket Thermally coupling Heat Sink And Edge-Connected Heat Generating Device Package Based on U.S. Provisional Application No.: 60/117,438, filed 1/26/99			Thermalloy, Inc.
4136-190CON	5/9/00	09/099,486	6/17/98	U.S. Patent Application For: Strap Spring for Attaching Heat Sinks to Circuit Boards			Thermalloy, Inc.
4136-190DIV	5/9/00	09/332,615	6/14/99	U.S. Patent Application For: Strap Spring for Attaching Heat Sinks to Circuit Boards			Thermalloy, Inc.
4136-191	5/9/00	08/669,875	6/21/96	U.S. Patent Application For: Pre-Application of Grease to Heat Sinks with a Protective Coating Former Atty Ref No. THRM-0026US			Thermalloy, Inc.
4136-191CIP	5/9/00	08/877,944	6/18/97	U.S. Patent Application For: Applicator Head			Thermalloy, Inc.
4136-191DIV	5/8/00	09/169,055	10/9/98	U.S. Patent Application For: Applicator Head and Method for Using the Same			Thermalloy, Inc.

EXHIBIT B - "PATENTS"

AAVID THERMALLOY TRANSFER TABLE

FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-130CON	04/29/00	07/262,695	10/26/88	U.S. Patent Application For: Method Of Manufacturing Heat Sink Apparatus	12/05/89	4,884,331	Thermalloy, Inc.
4136-130 C/DIV	12/02/99	07/361,484	06/05/89	U.S. Patent Application For: Method Of Manufacturing Heat Sink Apparatus Former Atty Ref: 88721-62956	11/14/89	4,879,891	Thermalloy, Inc.
4136-135CIP	4/24/00 assumed file 4/24/00			U.S. Patent Application For: For: Method and Apparatus for Dissipating Thermal Energy Former Atty Ref: 88721-62948	1/23/96	5,486,980	Thermalloy, Inc.
4136-140	04/04/00 assumed file 4/3/00	09/019,546	02/06/98	U.S. Patent Application For: Heat Dissipation System Having Releasable Attachment Assembly Based on Provisional 60/038,035) (Former Atty Ref. No. 88721-60119)	07/04/00	6,082,440	Thermalloy, Inc.
4136-141	04/05/00 assumed file 4/24/00	08/169,354	12/20/93	U.S. Patent Application For: Heat Sink Attachment Assembly Former Atty Ref: 88721-62943	01/31/95	5,386,338	Thermalloy, Inc.
4136-141DIV	04/05/00 assumed file 4/24/00	08/314,673	09/29/94	U.S. Patent Application For: Heat Sink Attachment Assembly Former Atty Ref: 88721-62944	07/04/95	5,428,897	Thermalloy, Inc.
4136-142	5/03/00	08/955,650	10/23/97	U.S. Patent Application For: Heat Sink Mounting Assembly For Surface Mount Electronic Device Packages Former Atty Ref: 88721/60121	7/27/99	5,930,114	Thermalloy, Inc.

EXHIBIT B - "PATENTS"

AAVID THERMALLOY TRANSFER TABLE

FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-145 CON	04/19/00	08/544,060	10/10/95	U.S. Patent Application For: Stamped and Formed Heat Sink (Data entered from face of CON Patent Copy ---CPLP DOES NOT HAVE THE FILE AS OF 04/19/00	10/22/96	5,566,749	Thermalloy, Inc.
4136-148	04/24/00	06/644,215	8/24/84	U.S. Patent Application For: Compensating Roll Pin For Heat Sink Mounting Former Atty Ref: 88721-62973	7/22/86	4,602,315	Thermalloy, Inc.
4136-148DIV2	4/25/00	07/126,822	11/30/87	U.S. Divisional Application For: Method of Mounting Heat Sinks Former Atty Ref: 88721-62975	11/15/88	4,783,899	Thermalloy, Inc.
4136-148D/CON	4/25/00	07/162,150	2/29/88	U.S. Continuation Application based on a Divisional For: Compensating Roll Pin For Heat Sink Mounting Former Atty Ref: 88721-62974	2/21/89	4,806,064	Thermalloy, Inc.
4136-149	04/24/00	08/955,481	10/22/97	U.S. Patent Application For: Heat Sink for Direct Attachment to Surface Mount Electronic Device Packages Former Atty Ref: 88721-60423	8/1/00	6,097,603	Thermalloy, Inc.
4136-150CIP	4/25/00	08/223,011	4/5/94	U.S. Continuation-In-Part Application For: Spring Clamp Assembly With Electrically Insulating Shoe Former Atty Ref: 88721-62925	12/6/94	5,371,652	Thermalloy, Inc.
4136-150CON	5/9/00	08/643,079	5/2/96	U.S. Patent Application For: Strap Spring For Heat Sink Clip Assembly	1/14/97	5,594,624	Thermalloy, Inc.

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FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-150DIV	5/8/00	08/744,569	11/06/96	U.S. Divisional Patent For: Strap Spring For Heat Sink Clip Assembly Former Atty Ref:	03/30/99	5,889,653	Thermalloy, Inc.
4136-150DV2	5/8/00	09/233,705	01/19/99	U.S. Divisional Application For: Strap Spring For Heat Sink Clip Assembly Former Atty Ref: THRM-0118	9/5/00	6,115,253	Thermalloy, Inc.
4136-151	4/25/00	06/905,657	9/11/86	U.S. Patent Application For: Heat Sink Clip Assembly Former Atty Ref: 88721-62959	7/29/97 (Reissue)	Re. 35,573	Thermalloy, Inc.
4136-156	4/27/00	07/977,220	11/16/92	U.S. Patent Application For Heat Sink Mounting Apparatus Former Atty Ref: 88721-60653	1/4/94	5,276,585	Thermalloy, Inc.
4167-157CON	4/27/00	08/283,535	8/1/94	U.S. Continuation Patent Application For: Spring Clamp and Heat Sink Assembly Former Atty Ref: 88721-62933	11/7/95	5,464,054	Thermalloy, Inc.
4136-158	04/27/00	07/395,661	8/18/89	U.S. Patent Application For: Apparatus And Method Of Attaching An Electronic Device Package And A Heat Sink To A Circuit Board Former Atty Ref: 88721-62976	10/2/90	4,961,125	Thermalloy, Inc.
4136-159	04/27/00	07/501,784	3/30/90	U.S. Patent Application For: Free-Standing Stanchion For Supporting And Protecting Electronic Device Packages On Circuit Boards Former Atty Ref: 88721-62981	10/9/90	4,962,442	Thermalloy, Inc.

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FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-160	04/27/00	08/058,380	5/10/93	U.S. Patent Application For: Interlocking Attachment Assembly Former Atty Ref: 88721-62982	11/22/94	5,365,654	Thermalloy, Inc.
4136-161	04/27/00	08/293,510	8/19/94	U.S. Patent Application For: Direct Bonded Heat Spreader Former Atty Ref: 88721-6230	7/22/97	5,650,662	Thermalloy, Inc.
4136-162	04/27/00	07/488,117	3/5/90	U.S. Patent Application For: Electronic Device Package Mounting Assembly Former Atty Ref: 88721-62970	11/26/91	5,068,764	Thermalloy, Inc.
4136-163	04/28/00	07/128,390	12/3/97	U.S. Patent Application For: Mounting Apparatus For Electronic Device Packages Former Atty Ref: 88721-62969	5/28/91	5,019,940	Thermalloy, Inc.
4136-164	04/28/00	07/492,926	3/13/90	U.S. Patent Application For: Finned Heat Sink And Method Of Manufacture Former Atty Ref: 88721-62980	8/13/91	5,038,858	Thermalloy, Inc.
4136-165	04/28/00	07/933,781	8/24/96	U.S. Patent Application For: Hooked Spring Clip Former Atty Ref: 88721-62952	11/14/95	5,466,970	Thermalloy, Inc.
4136-166	04/28/00	06/853,909	4/21/86	U.S. Patent Application For: Spring Clip Fastener For Surface Mounting Of Printed Circuit Board Components Former Atty Ref: 88721-62942	7/14/92	5,130,888	Thermalloy, Inc.
4136-167	04/28/00	07/762,377	9/19/91	U.S. Patent Application For: Apparatus For Securing Electronic Device Packages To Heat Sinks	8/11/92	5,138,524	Thermalloy, Inc.

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FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-168CN2	04/28/00	07/207,645	6/16/88	U.S. Patent Application For: Alignment Apparatus For Use In Mounting Electronic Components And Heat Sinks On Circuit Boards Former Atty Ref: 88721-62962	7/11/89	4,847,449	Thermalloy, Inc.
4136-170CN2	8/29/00			U.S. Patent Application For: Insulating Apparatus For Electronic Device Assemblies	5/28/91	5,019,942	Thermalloy, Inc.
4136-172C	4/29/00	07/275,545	11/25/88	U.S. Design Application For: Heat Sink Or Similar Article Former Atty Ref: 88721-62988	12/11/90	D312,819	Thermalloy, Inc.
4136-173	04/29/00	06/718,558	4/1/85	U.S. Design Application For: Heat Sink Or Similar Article Former Atty Ref: 88721-62989	4/19/88	D295,281	Thermalloy, Inc.
4136-174	04/29/00	06/718,557	4/1/85	U.S. Design Application For: Heat Sink Or Similar Article Former Atty Ref: 88721-62990	4/19/88	D295,282	Thermalloy, Inc.
4136-175	04/29/00	06/626,660	7/2/84	U.S. Design Application For: Heat Sink Or Similar Article Former Atty Ref: 88721-62993	7/29/86	D284,851	Thermalloy, Inc.
4136-177	04/29/00	07/120,804	11/16/87	U.S. Design Application For: Heat Sink Or Similar Article Former Atty Ref: 88721-62991	4/18/89	D300,738	Thermalloy, Inc.
4136-179	04/29/00	06/595,910	4/2/84	U.S. Design Application For: Heat Sink or Similar Article Former Atty Ref: 88721-62985	8/19/86	D285,193	Thermalloy, Inc.

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FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-180	04/29/00	29/013,459	9/24/93	U.S. Design Application For: Spring Clip For Retaining Thermal Contact Between An Electronic Device Package And A Heat Sink Former Atty Ref: D716	4/11/95	D357,227	Thermalloy, Inc.
4136-185	05/02/00	06/718,556	4/1/85	U.S. Patent Application For: Self-Securing Heat Sink Former Atty Ref: 88721-62953	9/2/86	4,609,040	Thermalloy, Inc.
4136-186	05/02/00	06/644,038	8/24/84	U.S. Patent Application For: Fasteners for Surface Mounting of Printed Circuit Board Components Former Atty Ref: 88721-62979	11/25/86	4,625,260	Thermalloy, Inc.
4136-187	05/02/00	06/183,240	9/2/80	U.S. Patent Application For: Solderable Mounting Stakes For Heat Sinks Former Atty Ref: 88721-62984	6/21/83	4,388,967	Thermalloy, Inc.
4136-188CON	5/3/00	06/314,202	10/23/81	U.S. Continuation Application For: Heat Sink Mounting Former Atty Ref: 88721-62963 (Same File For 188, 188CIP & 188CON)	9/6/83	4,403,102	Thermalloy, Inc.
4136-188DIV	5/3/00	06/457,409	9/4/85	U.S. Divisional Application For: Heat Sink Mounting Former Atty Ref: 88721-62964	6/4/85	4,521,827	Thermalloy, Inc.
4136-190	5/9/00	08/677,596	7/9/96	U.S. Patent Application For: Strap Spring for Attaching Heat Sinks to Circuit Boards Former Atty Ref. No.	12/8/98	5,847,928	Thermalloy, Inc.
4136-191CP2	5/8/00	08/878,093	6/18/97	U.S. Patent Application For: Heat Sink Packaging Device	5/9/00	6,059,116	Thermalloy, Inc.

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FILE #	DATE OPENED	SERIAL NO.	FILING DATE	TITLE	ISSUE DATE	PATENT NO.	ASSIGNEE STATUS
4136-191DV2	6/9/00	08/910,314	8/13/97	U.S. Patent Application For: Pre-Application of Grease to Heat Sinks With a Protective Coating Divisional of USP #08/669,875 filed 6/21/96	4/27/99	5,897,917	Thermalloy, Inc.
4136-192	5/9/00	08/482,011	6/7/95	U.S. Patent Application For: Fan Attachment Clip for Heat Sink	12/31/96	5,590,025	Thermalloy, Inc.
4136-192CIP	5/17/00	08/621,167	3/22/96	U.S. Patent Application For: Fan Attachment Clip for Heat Sink	10/14/97	5,677,829	Thermalloy, Inc.
4136-193CIP	05/11/00	09/228,775	1/6/99	U.S. CIP Patent Application For: Attachment of Electronic Device Packages to Heat Sinks	11/23/99	5,991,154	Thermalloy, Inc.
4136-196CON	6/15/00	08/786,408	1/20/97	U.S. Patent Application For: Solderable Transistor Clip and Heat Sink	12/01/98	5,844,312	Thermalloy, Inc.
4136-197CON	6/21/00	08/663,600	6/14/96	U.S. Patent Application For: Anchor For Securing a Heat Sink to a Printed Circuit Board Former Atty Ref: THRM-0030	6/17/97	5,640,305	Thermalloy, Inc.