

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM489440

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | Release of Second Lien Security Interest in Trademarks Previously Recorded at Reel/Frame (6063/0697) |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|--|----------|----------------|-------------------------------|
| Antares Capital LP, as Administrative and Collateral Agent | | 09/06/2018 | Limited Partnership: DELAWARE |

RECEIVING PARTY DATA

| | |
|------------------------|-------------------------------------|
| Name: | LTI Holdings, Inc. |
| Street Address: | 600 South McClure Road |
| City: | Modesto |
| State/Country: | CALIFORNIA |
| Postal Code: | 95357 |
| Entity Type: | Corporation: DELAWARE |
| Name: | Aavid Niagara, LLC |
| Street Address: | 1 Aavid Circle |
| City: | Laconia |
| State/Country: | NEW HAMPSHIRE |
| Postal Code: | 03246 |
| Entity Type: | Limited Liability Company: NEW YORK |
| Name: | Aavid Thermacore, Inc. |
| Street Address: | 1 Aavid Circle |
| City: | Laconia |
| State/Country: | NEW HAMPSHIRE |
| Postal Code: | 03246 |
| Entity Type: | Corporation: PENNSYLVANIA |
| Name: | Aavid Thermal Corp. |
| Street Address: | 1 Aavid Circle |
| City: | Laconia |
| State/Country: | NEW HAMPSHIRE |
| Postal Code: | 03246 |
| Entity Type: | Corporation: DELAWARE |
| Name: | Aavid Thermalloy, LLC |
| Street Address: | 1 Aavid Circle |

TRADEMARK

| | |
|------------------------|-------------------------------------|
| City: | Laconia |
| State/Country: | NEW HAMPSHIRE |
| Postal Code: | 03246 |
| Entity Type: | Limited Liability Company: DELAWARE |
| Name: | Lifetime Industries, Inc. |
| Street Address: | 600 South McClure Road |
| City: | Modesto |
| State/Country: | CALIFORNIA |
| Postal Code: | 95357 |
| Entity Type: | Corporation: MINNESOTA |
| Name: | LTI Flexible Products, INC. |
| Street Address: | 600 South McClure Road |
| City: | Modesto |
| State/Country: | CALIFORNIA |
| Postal Code: | 95357 |
| Entity Type: | Corporation: MINNESOTA |
| Name: | Nuventix, Inc. |
| Street Address: | 1 Aavid Circle |
| City: | Laconia |
| State/Country: | NEW HAMPSHIRE |
| Postal Code: | 03246 |
| Entity Type: | Corporation: DELAWARE |

PROPERTY NUMBERS Total: 31

| Property Type | Number | Word Mark |
|-----------------------------|---------|---------------------------------------|
| Registration Number: | 1820621 | TRANSTHERM |
| Registration Number: | 1736565 | SOLIMIDE |
| Registration Number: | 1131330 | SOLIMIDE |
| Registration Number: | 3711932 | SOLCOUSTIC |
| Registration Number: | 4572906 | BIG DADDY SEALING SYSTEMS |
| Registration Number: | 4625805 | BIG DADDY SEALING SYSTEMS |
| Registration Number: | 5159407 | AAVID KUNZE |
| Registration Number: | 4096930 | REVOLUTION |
| Registration Number: | 4099958 | EVOLUTION |
| Registration Number: | 3954657 | AAVID THERMALLOY |
| Registration Number: | 3427629 | NUVENTIX |
| Registration Number: | 3428167 | SYNJET |
| Registration Number: | 2101701 | EASY-PLY |
| Registration Number: | 4631354 | K TECHNOLOGY A DIVISION OF THERMACORE |

TRADEMARK

REEL: 006434 FRAME: 0382

| Property Type | Number | Word Mark |
|----------------------|----------|---------------------------|
| Registration Number: | 4457494 | BREAKING THERMAL BARRIERS |
| Registration Number: | 3491270 | HX |
| Registration Number: | 3191888 | K-CORE |
| Registration Number: | 3101946 | THERMA-SINK |
| Registration Number: | 2795530 | HXI |
| Registration Number: | 2722393 | HXC |
| Registration Number: | 2708039 | THERMA-HINGE |
| Registration Number: | 2590953 | |
| Registration Number: | 2664151 | THERMA-BUS |
| Registration Number: | 2605636 | THERMA-CHARGE |
| Registration Number: | 2447899 | THERMA-LOOP |
| Registration Number: | 2450833 | THERMA-TOWER |
| Registration Number: | 2432762 | THERMA-BASE |
| Registration Number: | 1317936 | THERMACORE |
| Serial Number: | 87176703 | SAPPHIRE TO SKY |
| Serial Number: | 87059064 | SILICON TO SKY |
| Serial Number: | 87059095 | S2S |

CORRESPONDENCE DATA

Fax Number: 6502515002

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (650) 251-5027

Email: jnull@stblaw.com

Correspondent Name: Marcela Robledo

Address Line 1: 2475 Hanover Street

Address Line 4: Palo Alto, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER: 033896/0027

NAME OF SUBMITTER: J. Jason Mull

SIGNATURE: /J. Jason Mull/

DATE SIGNED: 09/11/2018

Total Attachments: 19

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RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST – SECOND LIEN

THIS RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST - SECOND LIEN (the “Release”), is made as of September 6, 2018 (“Effective Date”), by Antares Capital LP, in its capacity as administrative agent and as collateral agent (together with its successors in such capacities, the “Agent”), in favor of LTI Holdings, Inc., a Delaware corporation, Aavid Niagara, LLC, a New York limited liability company, Aavid Thermacore, Inc., a Pennsylvania corporation, Aavid Thermal Corp., a Delaware corporation, Aavid Thermalloy, LLC, a Delaware limited liability company, Lifetime Industries, Inc., a Minnesota corporation, LTI Flexible Products, INC., a Minnesota corporation and Nuventix, Inc., a Delaware corporation (each, a “Grantor”).

WHEREAS, the Grantors and the Agent are parties to that certain Second Lien Pledge and Security Agreement, dated as of May 16, 2017 (as amended, restated, amended and restated, further supplemented or otherwise modified from time to time, the “Security Agreement”), pursuant to which the Grantors granted a security interest to the Agent in the IP Collateral (as defined in the Intellectual Property Security Agreement referenced below);

WHEREAS, the Lenders (as defined in the Credit Agreement referred to below) have extended credit to LTI Holdings, Inc., a Delaware corporation (the “Borrower”), subject to the terms and conditions set forth in that certain Second Lien Credit Agreement, dated as of May 16, 2017 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), by and among GSR Intermediate Holdco, Inc., a Delaware corporation, the Borrower, the Lenders (as defined therein) from time to time party thereto and the Agent;

WHEREAS, pursuant to the Security Agreement and Credit Agreement, the Grantors were required to execute and deliver that certain Second Lien Intellectual Property Security Agreement, dated as of May 16, 2017, (the “Intellectual Property Security Agreement”) to the Agent;

WHEREAS, pursuant to the Intellectual Property Security Agreement and as security for the prompt and complete payment or performance in full of the Secured Obligations, each Grantor granted to the Agent, its successors and permitted assigns, on behalf of and for the ratable benefit of the Secured Parties, a security interest in all of its right, title and interest in and to all of the IP Collateral;

WHEREAS, capitalized terms not otherwise defined in this Release shall have the meanings set forth in the Intellectual Property Security Agreement;

WHEREAS, the Intellectual Property Security Agreement was recorded with the United States Patent and Trademark Office with respect to the Trademarks at Reel 6063, Frame 0697 on May 16, 2017;

WHEREAS, the Intellectual Property Security Agreement was recorded with the United States Patent and Trademark Office with respect to the Patents at Reel 042477, Frame 0643 on May 16, 2017;

WHEREAS, the Intellectual Property Security Agreement was recorded with the U.S. Copyright Office with respect to the Copyrights at Volume 9934, Doc. No. 177 on May 24, 2017; and

WHEREAS, the Agent acknowledges full performance of the Secured Obligations and accordingly has agreed to release the grant of its lien on and security interest in and to all of the right, title, and interest in the IP Collateral, and to reconvey any and all rights in the IP Collateral to the Grantors.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby (i) terminates, releases and discharges, without any representation, warranty, or recourse whatsoever, to each Grantor any security interest in and lien upon the IP Collateral, including the Trademarks, Patents and Copyrights set forth on Schedule I, Schedule II and Schedule III and (ii) assigns, transfers, and conveys to the applicable Grantor, without any representation, warranty, or recourse whatsoever, any and all right, title or interest in, or to, the IP Collateral that the Agent may hold.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed, on behalf the Secured Parties, by its duly authorized representative effective as of the Effective Date.

ANTARES CAPITAL LP, as Agent

By: *K. Craig Gallehugh*

Name: Craig Gallehugh
Title: Duly Authorized Signatory

SCHEDULE I

Security Interest in Trademarks recorded at

Reel 6063 Frame 0697

| | Title | Application Number | Application Date | Registration Number | Registration Date | Record Owner |
|----|---------------------------|--------------------|------------------|---------------------|-------------------|-----------------------------|
| 1. | X'COND | 79/109276 | 1/30/2012 | 4248081 | 11/27/2012 | LTI Holdings, Inc. |
| 2. | TRANSTHERM | 74/306660 | 8/24/1992 | 1820621 | 2/8/1994 | Lifetime Industries, Inc. |
| 3. | SOLIMIDE | 74/218654 | 11/4/1991 | 1736565 | 12/1/1992 | LTI Flexible Products, INC. |
| 4. | SOLIMIDE | 73/195838 | 12/6/1978 | 1131330 | 2/26/1980 | LTI Flexible Products, INC. |
| 5. | SOLCOUSTIC | 77/721650 | 4/24/2009 | 3711932 | 11/17/2009 | LTI Flexible Products, INC. |
| | | | | CANCELLED | | |
| 6. | BIG DADDY SEALING SYSTEMS | 85/657767 | 6/21/2012 | 4572906 | 7/22/2014 | LTI Flexible Products, INC. |
| 7. | BIG DADDY SEALING SYSTEMS | 85/979415 | 6/21/2012 | 4625805 | 10/21/2014 | LTI Flexible Products, INC. |

| | Trademark | Application Number | Application Date | Registration Number | Registration Date | Owner |
|-----|---------------------------------------|--------------------|------------------|---------------------|-------------------|----------------------------------|
| 1. | SAPPHIRE TO SKY | 87176703 | 20-SEP-2016 | | | Aavid Thermalloy, LLC |
| 2. | SILICON TO SKY | 87059064 | 03-JUN-2016 | | | Aavid Thermalloy, LLC |
| 3. | S2S | 87059095 | 03-JUN-2016 | | | Aavid Thermalloy, LLC |
| 4. | AAVID KUNZE | 87056561 | 01-JUN-2016 | 5159407 | 14-MAR-2017 | Aavid Thermalloy, LLC |
| 5. | REVOLUTION | 85163277 | 28-OCT-2010 | 4096930 | 07-FEB-2012 | Aavid Niagra, LLC |
| 6. | EVOLUTION | 85163314 | 28-OCT-2010 | 4099958 | 14-FEB-2012 | Aavid Niagra, LLC |
| 7. | AAVID THERMALLOY | 85120664 | 01-SEP-2010 | 3954657 | 03-MAY-2011 | Aavid Thermalloy, LLC |
| 8. | NUVENTIX | 77068623 | 20-DEC-2006 | 3427629 | 13-MAY-2008 | Nuventix, Inc. ¹ |
| 9. | SYNIET | 78804993 | 08-APR-2005 | 3428167 | 13-MAY-2008 | Nuventix, Inc. ² |
| 10. | EASY-PLY | 75227937 | 20-JAN-1997 | 2101701 | 30-SEP-1997 | Aavid Thermalloy, LLC |
| 11. | K TECHNOLOGY A DIVISION OF THERMACORE | 86173630 | 23-JAN-2014 | 4631354 | 04-NOV-2014 | Aavid Thermal Corp. ³ |
| 12. | BREAKING THERMAL BARRIERS | 85747854 | 08-OCT-2012 | 4457494 | 31-DEC-2013 | Aavid Thermal Corp. |
| 13. | HX | 77207052 | 15-JUN-2007 | 3491270 | 26-AUG-2008 | Aavid Thermal Corp. |
| 14. | K-CORE | 78680480 | 28-JUL-2005 | 3191888 | 02-JAN-2007 | Aavid Thermal Corp. |
| 15. | THERMA-SENK | 78462593 | 05-AUG-2004 | 3101946 | 06-JUN-2006 | Aavid Thermal Corp. |
| 16. | HXI | 76319201 | 28-SEP-2001 | 2795530 | 16-DEC-2003 | Aavid Thermal Corp. |

¹ FN: USPTO records currently reflect "Nuventix, Inc." as the owner of this trademark, which misspelling is likely a result of USPTO recordation error.

² FN: USPTO records currently reflect "Nuventix, Inc." as the owner of this trademark, which misspelling is likely a result of USPTO recordation error.

³ FN: USPTO records currently reflect this entity's prior name (Thermal Corp.).

| | Trademark | Application Number | Application Date | Registration Number | Registration Date | Owner |
|-----|---------------|--------------------|------------------|---------------------|-------------------|---------------------|
| 17. | HXC | 76319202 | 28-SEP-2001 | 2722393 | 03-JUN-2003 | Aavid Thermal Corp. |
| 18. | THERMA-HINGE | 78075194 | 23-JUL-2001 | 2708039 | 15-APR-2003 | Aavid Thermal Corp. |
| 19. | Design Only | 76178712 | 11-DEC-2000 | 2596953 | 09-JUL-2002 | Aavid Thermal Corp. |
| 20. | THERMA-BUS | 76147589 | 16-OCT-2000 | 2664151 | 17-DEC-2002 | Aavid Thermal Corp. |
| 21. | THERMA-CHARGE | 76140142 | 02-OCT-2000 | 2605636 | 06-AUG-2002 | Aavid Thermal Corp. |
| 22. | THERMA-LOOP | 76041562 | 05-MAY-2000 | 2447899 | 01-MAY-2001 | Aavid Thermal Corp. |
| 23. | THERMA-TOWER | 75913094 | 03-FEB-2000 | 2450833 | 15-MAY-2001 | Aavid Thermal Corp. |
| 24. | THERMA-BASE | 75640893 | 16-FEB-1999 | 2432762 | 06-MAR-2001 | Aavid Thermal Corp. |
| 25. | THERMACORE | 73425797 | 13-MAY-1983 | 1317936 | 05-FEB-1985 | Aavid Thermal Corp. |

SCHEDULE II

Security Interest in Patents recorded at

Reel 042477 Frame 0643

| | Title | Application Number | Application Date | Patent (Publication) Number | Patent (Publication) Date | Record Owner |
|-----|--|---|------------------|---|---------------------------|---------------------------|
| 1. | TWO-PART SEAL FOR A SLIDE-OUT ROOM | 10/712937 | 11/13/2003 | 6966590 | 11/22/2005 | LIFETIME INDUSTRIES, INC. |
| 2. | RESILIENT SEAL FOR MOBILE LIVING QUARTERS | 11/466235 | 8/23/2006 | 7614676 | 11/10/2009 | LIFETIME INDUSTRIES, INC. |
| 3. | SEAL ASSEMBLY FOR MOBILE LIVING QUARTERS | 11/621457 | 1/9/2007 | 7614677 | 11/10/2009 | LIFETIME INDUSTRIES, INC. |
| 4. | TRIM AND SEAL ASSEMBLIES FOR VEHICLE WITH SLIDE OUT ROOM AND METHOD OF MANUFACTURE | 11/286703 <i>Maintenance Fee is late and was due 12/3/2016</i> | 11/23/2005 | 7540116 | 6/2/2009 | LIFETIME INDUSTRIES, INC. |
| 5. | GAS ANTI-DIFFUSION ASSEMBLIES | 12/786430 | 5/14/2010 | 8377182 <i>Patent expired on 3-19-2017 due to nonpayment of maintenance fees</i> | 2/19/2013 | LIFETIME INDUSTRIES, INC. |
| 6. | CORNER SEAL DEVICE | 12/849411 | 8/3/2010 | 8382124 | 2/26/2013 | LIFETIME INDUSTRIES, INC. |
| 7. | OVERLAPPING COMPLEMENTARY BULB SEAL | 13/306644 | 11/29/2011 | 8366168 | 2/5/2013 | LIFETIME INDUSTRIES, INC. |
| 8. | CORNER SEAL | 13/398964 | 11/17/2011 | 8408625 | 4/2/2013 | LIFETIME INDUSTRIES, INC. |
| 9. | OVERLAPPING SEAL | 29/439820 | 8/17/2012 | D697640 | 1/14/2014 | LIFETIME INDUSTRIES, INC. |
| 10. | ADJUSTABLE RESILIENT SEAL WITH BENDABLE BULB PORTIONS | 14/160122 | 1/21/2014 | 9038322 | 5/26/2015 | LIFETIME INDUSTRIES, INC. |
| 11. | TONNEAU COVER SEAL | 13/189093 | 7/22/2011 | 8870190 | 10/28/2014 | LIFETIME INDUSTRIES, INC. |

| | Title | Application Number | Application Date | Patent (Publication) Number | Patent (Publication) Date | Record Owner |
|----|---|--|------------------|-----------------------------|---------------------------|-----------------------------|
| 12 | SLIDE OUT SEAL | 29/373309 | 3/29/2011 | D648657 | 11/15/2011 | LTI FLEXIBLE PRODUCTS, INC. |
| 13 | SLIDE OUT SEAL | 29/373308 | 3/29/2011 | D651146 | 12/27/2011 | LTI FLEXIBLE PRODUCTS, INC. |
| 14 | SLIDE OUT SEAL | 29/374256 | 7/19/2011 | D669820 | 10/30/2012 | LTI FLEXIBLE PRODUCTS, INC. |
| 15 | SEAMLESS, SELF-INSULATED FOAM DUCT AND AN APPARATUS AND METHOD FOR MANUFACTURING THE SAME | 13/850115 ABANDONED - Failure to respond to an Office Action | 3/25/2013 | | | LTI FLEXIBLE PRODUCTS, INC. |
| 16 | Locking seal | 29/465675 | 8/30/2013 | D741231 | 10/20/2015 | LTI FLEXIBLE PRODUCTS, INC. |
| 17 | Hinged bulb seal | 29/493278 | 6/6/2014 | D741232 | 10/20/2015 | LTI FLEXIBLE PRODUCTS, INC. |
| 18 | Hinged bulb seal | 29/493279 | 6/6/2014 | D747687 | 1/19/2016 | LTI FLEXIBLE PRODUCTS, INC. |
| 19 | Slide out seal | 29/493391 | 6/9/2014 | D760135 | 6/28/2016 | LTI FLEXIBLE PRODUCTS, INC. |
| 20 | Dual bulbous seal | 29/503229 | 9/24/2014 | D773342 | 12/6/2016 | LTI FLEXIBLE PRODUCTS, INC. |
| 21 | Seal | 29/510940 | 12/4/2014 | D746745 | 1/5/2016 | LTI FLEXIBLE PRODUCTS, INC. |
| 22 | Edge seal with sidewall seal | 14/242002 | 4/1/2014 | 9033390 | 5/19/2015 | LIFETIME INDUSTRIES, INC. |
| 23 | Slide out seal with box tunnel | 14/672660 | 3/30/2015 | | | LIFETIME INDUSTRIES, INC. |

| | Title | Application Number | Application Date | Patent (Publication) Number | Patent (Publication) Date | Record Owner |
|----|--|--|------------------|-----------------------------|---------------------------|-----------------------------|
| 24 | Floor covering transition | 14/589135 | 1/5/2015 | 9068355 | 6/30/2015 | LTI FLEXIBLE PRODUCTS, INC. |
| 25 | Illuminated seal base for mobile living quarters | 14/594223 | 1/12/2015 | | | LTI FLEXIBLE PRODUCTS, INC. |
| 26 | Cuttably replaceable slide-out seal | 62/103606 Provisional application EXPIRED on 1/17/2016 | 1/15/2015 | | | LTI FLEXIBLE PRODUCTS, INC. |
| 27 | Combination splash seal and wear bar | 14/563146 | 12/8/2014 | 9505357 | 11/29/2016 | LIFETIME INDUSTRIES, INC. |
| 28 | Combination splash seal and wear bar NEW | 15/046911 | 11/9/2016 | | | LTI Flexible Products, INC. |
| 29 | Cuttably replaceable slide-out seal NEW | 14/996861 | 1/15/2016 | | | LTI Flexible Products, INC. |
| 30 | Combination splash seal and wear bar NEW | 14/959840 | 12/4/2015 | 9533629 | 1/3/2017 | Lifetime Industries, INC. |
| 31 | Edge seal with sidewall seal NEW | 14/672982 | 9/30/2015 | | | Lifetime Industries, INC. |
| 32 | Conductive grounding pad NEW | 13/186562 Maintenance fee is LATE and was due 1/10/2017 | 7/20/2011 | 8481867 | 7/9/2013 | LTI Flexible Products, INC. |

| | Patent | Application Number | Application Date | Patent Number | Patent Date | Owner |
|---|---|--------------------|------------------|----------------|--------------|-----------------------|
| 1 | ADVANCED SYNJET COOLER DESIGN FOR LED LIGHT MODULES | US20090501852 | 15-Jul-2009 | US8299691 | 30-Oct-2012 | Nuventix, Inc. |
| 2 | BRAZED WICK FOR A HEAT TRANSFER DEVICE | US20030607937 | 26-Jun-2003 | US6994152 | 7-Feb-2006 | Asvid Thermal Corp. |
| 3 | CANTILEVER FAN | US20160149557 | 9-May-2016 | (US2016252105) | (1-Sep-2016) | Asvid Thermalloy, LLC |
| 4 | CANTILEVER FAN | US20110818513 | 19-Aug-2011 | US8323367 | 26-Dec-2016 | Asvid Thermalloy, |

| | Patent | Application Number | Application Date | Patent Number | Patent Date | Owner |
|-----|---|--------------------|------------------|----------------|---------------|-----------------------|
| | | | | | | LLC |
| 5. | CAPACITOR WITH HEAT PIPE COOLING | US20010775729 | 5-Feb-2001 | US6430024 | 6-Aug-2002 | Asvid Thermal Corp. |
| 6. | Capillary assisted loop thermosiphon apparatus | US20040805142 | 19-Mar-2004 | US7823629 | 2-Nov-2010 | Asvid Thermal Corp. |
| 7. | CAPILLARY ASSISTED LOOP THERMOSIPHON APPARATUS | US20100917090 | 1-Nov-2010 | US8627879 | 14-Jan-2014 | Asvid Thermal Corp. |
| 8. | CAPILLARY DEVICE FOR USE IN HEAT PIPE AND METHOD OF MANUFACTURING SUCH CAPILLARY DEVICE | US20120118814 | 24-May-2012 | (US2014190667) | (10-Jul-2014) | Asvid Thermal Corp. |
| 9. | CHEMICALLY COMPATIBLE, LIGHTWEIGHT HEAT PIPE | US20030643435 | 19-Aug-2003 | US7069978 | 4-Jul-2006 | Asvid Thermal Corp. |
| 10. | CHEMICALLY COMPATIBLE, LIGHTWEIGHT HEAT PIPE | US20060363806 | 28-Feb-2006 | US7743502 | 29-Jan-2010 | Asvid Thermal Corp. |
| 11. | CHEMICALLY COMPATIBLE, LIGHTWEIGHT HEAT PIPE | US20100825733 | 28-Jun-2010 | US8286694 | 16-Oct-2012 | Asvid Thermal Corp. |
| 12. | Cooling element for electrosurgery | US20050195454 | 2-Aug-2005 | US7914529 | 29-Mar-2011 | Asvid Thermal Corp. |
| 13. | COOLING FRAME WITH INTEGRATED HEAT PIPES | US20130729751 | 8-Mar-2013 | (US2014251577) | (11-Sep-2014) | Asvid Thermal Corp. |
| 14. | Cooling system for computer electronics | US20050266812 | 5-Nov-2005 | US7312995 | 25-Dec-2007 | Asvid Thermal Corp. |
| 15. | Cooling system for hinged portable computing device | US20020280726 | 25-Oct-2002 | US771498 | 3-Aug-2004 | Asvid Thermal Corp. |
| 16. | CORRUGATED FIN HEAT EXCHANGER AND METHOD OF MANUFACTURE | US20020185052 | 28-Jun-2002 | US6688380 | 10-Feb-2004 | Asvid Thermalloy, LLC |
| 17. | CTE-MATCHED HEAT PIPE | US20110074987 | 29-Mar-2011 | (US2011178276) | (21-Jul-2011) | Asvid Thermal Corp. |
| 18. | CTE-MATCHED HEAT PIPE | US20030458168 | 10-Jun-2003 | US6793009 | 21-Sep-2004 | Asvid Thermal Corp. |
| 19. | CTE-MATCHED HEAT PIPE | US20040924586 | 24-Aug-2004 | US7048030 | 23-May-2006 | Asvid Thermal Corp. |
| 20. | ELECTRONICS CABINET AND RACK COOLING SYSTEM AND METHOD | US20130772608 | 21-Feb-2013 | (US2013313675) | (22-Aug-2013) | Asvid Thermal Corp. |
| 21. | ELECTRONICS PACKAGE WITH SPECIFIC AREAS HAVING LOW COEFFICIENT OF THERMAL EXPANSION | US20020021470 | 21-Feb-2002 | US6568743 | 20-May-2003 | Asvid Thermal Corp. |

| | Patent | Application Number | Application Date | Patent Number | Patent Date | Owner |
|-----|--|--------------------|------------------|----------------|--------------|-----------------------|
| 22. | EVAPORATOR AND CONDENSER SECTION STRUCTURE FOR THERMOSIPHON | US20150843210 | 2-Sep-2015 | (US2016061532) | (3-Mar-2016) | Asvid Thermalloy, LLC |
| 23. | FASTENER ASSEMBLY AND METHOD FOR HEAT SINK MOUNTING | US20140446506 | 30-Jul-2014 | US9423191 | 23-Aug-2016 | Asvid Thermalloy, LLC |
| 24. | FLEXIBLE HEAT PIPE | US20000625301 | 25-Jul-2000 | US64446706 | 10-Sep-2002 | Asvid Thermal Corp. |
| 25. | FLEXIBLE LOOP THERMOSIPHON | US20050210548 | 23-Aug-2005 | US7096928 | 29-Aug-2006 | Asvid Thermal Corp. |
| 26. | FLUID-CIRCUIT HEAT TRANSFER DEVICE FOR PLURAL HEAT SOURCES | US20030685954 | 15-Oct-2003 | US7431071 | 7-Oct-2008 | Asvid Thermal Corp. |
| 27. | FLUID-CIRCUIT HEAT TRANSFER DEVICE FOR PLURAL HEAT SOURCES | US20080247082 | 7-Oct-2008 | US9273910 | 1-Mar-2016 | Asvid Thermal Corp. |
| 28. | FLUID-COOLED SINGLE PHASE HEAT SINK | US19990357226 | 26-Jul-1999 | US6131650 | 17-Oct-2000 | Asvid Thermal Corp. |
| 29. | FLUID-COOLED HEAT SINK FOR ELECTRONIC COMPONENTS | US20020121337 | 12-Apr-2002 | US6661658 | 9-Dec-2003 | Asvid Thermalloy, LLC |
| 30. | FLUIDIC ENERGY TRANSFER DEVICES | US20070224783 | 7-Mar-2007 | US8272851 | 25-Sep-2012 | Asvid Thermalloy, LLC |
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| 32. | FORCE-EQUALIZATION STATIONARY-COIL ACTUATOR FOR FLUID MOVERS | US20110877570 | 7-Oct-2011 | (US201220418) | (5-Sep-2013) | Asvid Thermalloy, LLC |
| 33. | HEAT DISSIPATION UNIT WITH DIRECT CONTACT HEAT PIPE | US20030413601 | 14-Apr-2003 | US717813 | 6-Apr-2004 | Asvid Thermal Corp. |
| 34. | HEAT EXCHANGE APPARATUS | US20110702650 | 6-Jun-2011 | (US2013081788) | (4-Apr-2013) | Asvid Thermal Corp. |
| 35. | HEAT EXCHANGER BACKING PLATE AND METHOD OF ASSEMBLING SAME | US20130772622 | 21-Feb-2013 | US9417015 | 16-Aug-2016 | Asvid Thermal Corp. |
| 36. | Heat pipe component deployed from a compact volume | US20040792102 | 3-Mar-2004 | US7680681 | 25-Jul-2006 | Asvid Thermal Corp. |
| 37. | HEAT PIPE COOLING FOR TURBINE STAGES | US19970943626 | 1-Oct-1997 | US5975841 | 2-Nov-1999 | Asvid Thermal Corp. |
| 38. | HEAT PIPE EVAPORATOR WITH POROUS VALVE | US20040810018 | 30-Aug-2004 | US7013956 | 21-Mar-2006 | Asvid Thermal Corp. |
| 39. | Heat pipe for cautery | US20020305608 | 26-Nov-2002 | US6905489 | 14-Jun-2005 | Asvid Thermal |

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| 40. | HEAT PIPE FOR CAUTERY SURGICAL INSTRUMENT | US20040970030 | 21-Oct-2004 | US8100894 | 24-Jan-2012 | Aavid Thermal Corp. |
| 41. | Heat pipe for cannery surgical instrument | US20020305609 | 28-Nov-2002 | US6880077 | 5-Oct-2004 | Aavid Thermal Corp. |
| 42. | HEAT PIPE HAVING A WICK WITH A HYBRID PROFILE | US20120654852 | 18-Oct-2012 | (US2013092354) | (18-Apr-2013) | Aavid Thermal Corp. |
| 43. | Heat pipe with axial and lateral flexibility | US20050256708 | 24-Oct-2005 | US7647981 | 19-Jan-2010 | Aavid Thermal Corp. |
| 44. | HEAT PIPE WITH AXIAL AND LATERAL FLEXIBILITY | US20100689135 | 18-Jan-2010 | US8230997 | 31-Jul-2012 | Aavid Thermal Corp. |
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| 46. | HEAT SINK AND ATTACHMENT PROCESS FOR ELECTRONIC COMPONENTS | US19970913815 | 16-Sep-1997 | US5917700 | 29-Jun-1999 | Aavid Thermalloy, LLC and Lucent Technologies Inc. |
| 47. | HEAT SINK ASSEMBLY WITH FRAME CLIP FOR FULLY ASSEMBLED ATTACHMENT TO HEAT GENERATING COMPONENT | US20160083474 | 29-Mar-2016 | (US2016311181) | (21-Jul-2016) | Aavid Thermalloy, LLC |
| 48. | HEAT SINK BASE PLATE WITH HEAT PIPE | US20080148192 | 17-Apr-2008 | US8286693 | 16-Oct-2012 | Aavid Thermalloy, LLC |
| 49. | HEAT SINK FOR DIRECT ATTACHMENT TO SURFACE MOUNT ELECTRONIC DEVICE PACKAGES | US19970955481 | 22-Oct-1997 | US6097603 | 1-Aug-2000 | Aavid Thermalloy, LLC |
| 50. | HEAT SINK MOUNT AND ASSEMBLY | US20110014506 | 26-Jan-2011 | US8401317 | 28-Jul-2016 | Aavid Thermalloy, LLC |
| 51. | HEAT SINK, IN PARTICULAR FOR ELECTRONIC COMPONENTS | US19960081623 | 19-May-1996 | US5991151 | 23-Nov-1999 | Aavid Thermalloy, LLC |
| 52. | HEAT SPREADER WITH EXCESS SOLDER BASE | US20000476813 | 3-Jan-2000 | US6191946 | 20-Feb-2001 | Aavid Thermal Corp. |
| 53. | HEAT SPREADER WITH OSCILLATING FLOW | US20020075337 | 11-Feb-2002 | US6631677 | 7-Oct-2003 | Aavid Thermal Corp. |
| 54. | HEAT TRANSFER APPARATUS AND METHOD | US20130828625 | 14-Mar-2013 | US9417017 | 16-Aug-2016 | Thermal Corp. and Regents of the University of Minnesota |
| 55. | HYBRID LOOP HEAT PIPE | US20040987893 | 12-Nov-2004 | US7111394 | 26-Sep-2006 | Aavid Thermal Corp. |
| 56. | INTEGRATED CIRCUIT HEAT PIPE | US19990310397 | 12-May-1999 | US6302192 | 16-Oct-2001 | Aavid Thermal Corp. |

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| 58. | INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER WITH THROUGH MOUNTING HOLES | US20030069266 | 1-Mar-2003 | US7022760 | 12-Apr-2006 | Aavid Thermal Corp. |
| 59. | INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER WITH THROUGH MOUNTING HOLES | US20030852322 | 9-May-2003 | US7066240 | 27-Jun-2006 | Aavid Thermal Corp. |
| 60. | INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER WITH THROUGH MOUNTING HOLES | US20030739709 | 18-Dec-2003 | US7100879 | 5-Sep-2006 | Aavid Thermalloy, LLC |
| 61. | INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER WITH THROUGH MOUNTING HOLES | US20030200949 | 9-Aug-2003 | US7100880 | 5-Sep-2006 | Aavid Thermalloy, LLC |
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| 66. | LIQUID COOLED HEAT EXCHANGER WITH ENHANCED FLOW | US20020199568 | 19-Jul-2002 | US6719639 | 13-Apr-2004 | Aavid Thermal Corp. |
| 67. | LIQUID COOLED HEAT SINK WITH COLD PLATE RETENTION MECHANISM | US20050230456 | 7-Sep-2005 | US7140027 | 12-Dec-2006 | Aavid Thermal Corp. |

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| 68. | METHOD AND APPARATUS FOR CONTROLLING DIAPHRAGM DISPLACEMENT IN SYNTHETIC JET ACTUATORS | US20080291337 | 6-Nov-2008 | US8290724 | 16-Oct-2012 | Nuvernix, Inc. |
| 69. | METHOD FOR FORMING SYNTHETIC JET ACTUATOR AND COMPONENTS THEREOF THROUGH INSERT MOLDING | US20140209183 | 13-Mar-2014 | (US2014270325) | (18-Sep-2014) | Nuvernix, Inc. |
| 70. | METHOD OF MAKING ELECTRONICS PACKAGE WITH SPECIFIC AREAS HAVING LOW COEFFICIENT OF THERMAL EXPANSION | US20020219731 | 15-Aug-2002 | US6379747 | 17-Jun-2003 | Aavid Thermal Corp. |
| 71. | METHODS FOR REDUCING THE NON-LINEAR BEHAVIOR OF ACTUATORS USED FOR SYNTHETIC JETS | US20070804898 | 21-May-2007 | US8872648 | 18-Mar-2014 | Nuvernix, Inc. |
| 72. | MODULAR COOLING SYSTEM AND THERMAL BUS FOR HIGH POWER ELECTRONICS CABINETS | US20010963899 | 26-Sep-2001 | US6828675 | 7-Dec-2004 | Aavid Thermal Corp. |
| 73. | Modular heat sink | US20050150485 | 23-Jun-2005 | US7306628 | 11-Dec-2007 | Aavid Thermal Corp. |
| 74. | MOLDABLE HOUSING DESIGN FOR SYNTHETIC JET EJECTOR | US20070825158 | 3-Jul-2007 | US8646701 | 11-Feb-2014 | Nuvernix, Inc. |
| 75. | MULTIPLE EVAPORATOR HEAT PIPE ASSISTED HEAT SINK | US20050100819 | 7-Apr-2005 | US7059391 | 13-Jun-2006 | Aavid Thermalloy, LLC |
| 76. | PLANAR COIL AND SUPPORT FOR ACTUATOR OF FLUID MOVER | US20150697971 | 28-Apr-2015 | (US2015316045) | (5-Nov-2015) | Aavid Thermalloy, LLC |
| 77. | POROUS MEDIA COLD PLATE | US20040970404 | 30-Oct-2004 | US7044199 | 16-May-2006 | Aavid Thermal Corp. |
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| | performance | | | | | |
| 81. | REINFORCED HEAT-TRANSFER DEVICE, HEAT-TRANSFER SYSTEM, AND METHOD OF REINFORCING A HEAT-TRANSFER DEVICE | US20120031685 | 19-Sep-2013 | (US2014076517) | (20-Mar-2014) | Asvid Thermal Corp. |
| 82. | SEMICONDUCTOR PACKAGE WITH INTERNAL HEAT SPREADER | US20010753893 | 3-Jan-2001 | US6437437 | 20-Aug-2003 | Asvid Thermal Corp. |
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| 84. | SEMICONDUCTOR PACKAGE WITH LID HEAT SPREADER | US20020241947 | 12-Sep-2002 | US6858929 | 23-Feb-2005 | Asvid Thermal Corp. |
| 85. | SEMICONDUCTOR PACKAGE WITH LID HEAT SPREADER | US20040999261 | 30-Nov-2004 | US7995738 | 28-Feb-2006 | Asvid Thermal Corp. |
| 86. | SENTRED GROOVED WICK WITH PARTICLE WEB | US20030422878 | 24-Apr-2003 | US6949317 | 26-Sep-2005 | Asvid Thermal Corp. |
| 87. | SPLIT FLUIDIC DIAPHRAGM | US20140488648 | 17-Sep-2014 | (US2015078954) | (19-Mar-2015) | Asvid Thermalcoy, LLC |
| 88. | SYNTHETIC JET ACTUATOR EQUIPPED WITH ENTRAINMENT FEATURES | US20140195182 | 3-Mar-2014 | US9184109 | 10-Nov-2015 | Nuventix, Inc. |
| 89. | SYNTHETIC JET COOLING SYSTEM FOR LED MODULE | US20050265778 | 2-Nov-2005 | US7932535 | 26-Apr-2011 | Nuventix, Inc. |
| 90. | SYNTHETIC JET EJECTOR AND DESIGN THEREOF TO FACILITATE MASS PRODUCTION | US20110026220 | 12-Feb-2011 | US8772967 | 8-Jul-2014 | Nuventix, Inc. |
| 91. | SYNTHETIC JET EJECTOR AND DESIGN THEREOF TO FACILITATE MASS PRODUCTION | US20140291729 | 30-May-2014 | US9452463 | 27-Sep-2016 | Nuventix, Inc. |
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| 94. | SYNTHETIC JET EJECTORS WITH IMPROVED MANUFACTURABILITY | US20140490804 | 19-Sep-2014 | (US2015030477) | (29-Jan-2015) | Nuventix, Inc. |

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| 95. | SYNTHETIC JET HEAT PIPE THERMAL MANAGEMENT SYSTEM | US20080599628 | 13-Nov-2006 | US7607470 | 27-Oct-2009 | Nuventix, Inc. |
| 96. | SYSTEM AND METHOD FOR COOLING HEAT GENERATING COMPONENTS | US20130826450 | 14-Mar-2013 | US9042100 | 26-May-2015 | Asvid Thermalloy, LLC |
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| 98. | THERMAL BUS FOR ELECTRONICS SYSTEMS | US20030628645 | 26-Jul-2003 | US6884117 | 12-Oct-2004 | Asvid Thermal Corp. |
| 99. | THERMAL MANAGEMENT OF LED-BASED ILLUMINATION DEVICES WITH SYNTHETIC JET EJECTORS | US20120470523 | 14-May-2012 | US8777456 | 15-Jul-2014 | Nuventix, Inc. |
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| 103. | Thermal management system and method for electronics system | US20030658828 | 9-Sep-2003 | US6972365 | 6-Dec-2005 | Asvid Thermal Corp. |
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| 105. | Thermal management system for card cages | US20090465645 | 14-May-2009 | US7780499 | 20-Jul-2010 | Nuventix, Inc. |
| 106. | THERMAL MANAGEMENT SYSTEM FOR DISTRIBUTED HEAT SOURCES | US20080599603 | 13-Nov-2006 | US7608029 | 20-Oct-2009 | Nuventix, Inc. |
| 107. | THERMAL MANAGEMENT SYSTEM FOR LED ARRAY | US20070005158 | 22-Dec-2007 | US7284972 | 11-Aug-2010 | Nuventix, Inc. |
| 108. | THERMAL MANAGEMENT | US20080072610 | 26-Feb-2008 | US7219556 | 26-Oct-2010 | Nuventix, Inc. |

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| 110. | THERMAL TRANSFER DEVICE WITH SPIRAL FLUID PATHWAYS | US20110001511 | 7-Mar-2011 | US8568237 | 14-Feb-2017 | Aavid Thermalloy, LLC |
| 111. | THERMOGYPHON WITH BENT TUBE SECTION | US20150850002 | 10-Sep-2015 | (US2016076819) | (17-Mar-2016) | Aavid Thermalloy, LLC |
| 112. | VARIABLE-CONDUCTANCE HEAT TRANSFER DEVICE | US20120473755 | 17-May-2012 | (US2013299136) | (14-Nov-2013) | Aavid Thermal Corp. |
| 113. | VEHICLE THERMAL MANAGEMENT SYSTEM | US20150922650 | 30-Oct-2015 | (US2016128227) | (5-May-2016) | Aavid Thermal Corp. |
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SCHEDULE III

Security Interest in Copyrights recorded at
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| 2. | Mica insulators: new product bulletin [no.] 77-MICA/DS-11. | TX365595 | 7/23/1979 | Aavid Thermalloy, LLC |
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| 4. | 6024 series TO-92 clip-on heat sink: new product bulletin [no.] 77-CHS/DS-2. | TX365597 | 7/23/1979 | Aavid Thermalloy, LLC |
| 5. | 6200 series TO-5 clip-on heat sinks: new product bulletin [no.] 77-6200/DS-12. | TX365598 | 7/23/1979 | Aavid Thermalloy, LLC |
| 6. | 6075 series universal heat sinks: new product bulletin [no.] 76-6075/DS-3. | TX365599 | 7/23/1979 | Aavid Thermalloy, LLC |
| 7. | 8908NB mounting TO-3 cover: new product bulletin [no.] 78-8908/DS-2. | TX365600 | 7/23/1979 | Aavid Thermalloy, LLC |
| 8. | 6098 series solderable pin heat sink: new product bulletin [no.] 78-6098/DS-5. | TX365601 | 7/23/1979 | Aavid Thermalloy, LLC |
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| 22. | Insulators & mounting kits for semiconductor devices: catalog. | TX372645 | 7/23/1979 | Aavid Thermalloy, LLC |
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| 63. | High performance aluminum nitride insulators. | TX3241789 | 2/11/1991 | Aavid Thermalloy, LLC |
| 64. | Heat sinks for ECL and CMOS ASIC's, gate arrays, microprocessors in PGA packages and the PGA E-Z Mount assembly method. | TX3241788 | 2/11/1991 | Aavid Thermalloy, LLC |
| 65. | Thermalloy cooling modules. | TX3241790 | 2/11/1991 | Aavid Thermalloy, LLC |
| 66. | Semiconductor accessories. | TX3241791 | 2/11/1991 | Aavid Thermalloy, LLC |
| 67. | [Thermalfilm MT : TMT-DS4-9268] | TX3444343 | 11/19/1992 | Aavid Thermalloy, LLC |
| 68. | Heat sinks for board mounted power modules. | TX3444344 | 11/19/1992 | Aavid Thermalloy, LLC |
| 69. | New heat sink spring clips for use with AMP low insertion force PGA sockets 9CA1-DS8-9304. | TX3738991 | 11/16/1993 | Aavid Thermalloy, LLC |
| 70. | Pentium processor, thermal management solutions from Thermalloy PNTME-DS6-9304. | TX3738992 | 11/16/1993 | Aavid Thermalloy, LLC |
| 71. | Thermalloy THMI-DS7-9304. | TX3738993 | 11/16/1993 | Aavid Thermalloy, LLC |
| 72. | Thermalloy cooling modules TCMB-DS3-9266. | TX3738994 | 11/16/1993 | Aavid Thermalloy, LLC |
| 73. | Secondary heat sink clips CLF1-DS8-9304. | TX3738995 | 11/16/1993 | Aavid Thermalloy, LLC |
| 74. | Heat sinks. | C8N0021180 | 1976 | Aavid Thermalloy, LLC |
| 75. | Heat sinks. | C8N0021180 | 1979 | Aavid Thermalloy, LLC |
| 76. | Insulators & mounting kits for semiconductor devices: catalog. | C8N0021384 | 1976 | Aavid Thermalloy, LLC |
| 77. | Insulators & mounting kits for semiconductor devices: catalog. | C8N0021384 | 1979 | Aavid Thermalloy, LLC |
| 78. | Semiconductor accessories. | C8N0022983 | 1977 | Aavid Thermalloy, LLC |
| 79. | Semiconductor accessories. | C8N0022983 | 1978 | Aavid Thermalloy, LLC |
| 80. | Semiconductor accessories. | C8N0022983 | 1979 | Aavid Thermalloy, LLC |
| 81. | Semiconductor accessories. | C8N0022983 | 1980 | Aavid Thermalloy, LLC |
| 82. | Semiconductor accessories catalog. | C8N0022984 | 1978 | Aavid Thermalloy, LLC |
| 83. | Semiconductor accessories catalog. | C8N0022984 | 1979 | Aavid Thermalloy, LLC |
| 84. | Semiconductor accessories catalog. | C8N0022984 | 1980 | Aavid Thermalloy, LLC |
| 85. | Semiconductor mounting pads: catalog. | C8N0022985 | 1977 | Aavid Thermalloy, LLC |
| 86. | Semiconductor mounting pads: catalog. | C8N0022985 | 1978 | Aavid Thermalloy, LLC |
| 87. | Semiconductor mounting pads: catalog. | C8N0022985 | 1979 | Aavid Thermalloy, LLC |
| 88. | Assembled tenth segment heat pipe with integral calorimeter | VA0001315580 | 7/28/2005 | Aavid Thermacore, Inc. ³ |
| 89. | Completed assembly of the 1/10th segment life test heat pipe | VA0001315579 | 7/28/2005 | Aavid Thermacore, Inc. |
| 90. | Tenth segment heat pipe with top plate removed to show wick structure | VA0001315581 | 7/28/2005 | Aavid Thermacore, Inc. |
| 91. | Pulsating heat pipe video clips | PA0001281978 | 7/28/2005 | Aavid Thermacore, Inc. |
| 92. | Proposed solution--integrated thermal architecture | VA0001094698 | 4/17/2001 | Aavid Thermal Corp. |
| 93. | Pressure relief device life test assembly | VA0001315577 | 7/28/2005 | Aavid Thermacore, Inc. |

³ FN: USCO records currently reflect this entity's prior name (Thermacore, Inc.)

| | COPYRIGHT TITLE | REG. NUMBER | DATE OF REG. | OWNER |
|-----|-------------------------------|--------------|--------------|------------------------|
| 94. | Bench-top life test heat pipe | VA0001315578 | 7/28/2005 | Aavid Thermacore, Inc. |