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**CONVEYING PARTY(IES):** (Last name first)

	<u>Execution Date</u>
Stephen B. Memory	November 12, 2001
Fredrick E. Ganaway	November 12, 2001
C. James Rogers	November 12, 2001
Anthony C. DeVuono	November 9, 2001
Alfred Phillips	November 20, 2001
Zhijun Zuo	November 20, 2001

**RECEIVING PARTY:**

Name: Modine Manufacturing Company  
 Address: 1500 DeKoven Avenue  
 City: Racine  
 State: WI  
 Zip Code: 53403

Mark if additional names of conveying parties attached ☐Mark if additional names of receiving parties attached ☐**APPLICATION NUMBER(S) OR PATENT NUMBER(S)**Mark if additional numbers attached ☐

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named inventor: 00/00/00

**Patent Application Number(s):**

09/963,899

**Patent Number(s):****TOTAL NUMBER OF PROPERTIES:** Enter the total number of properties involved: One**PATENT COOPERATION TREATY (PCT):**

Enter PCT application number only if a U.S. Application  
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4

**CORRESPONDENT NAME AND ADDRESS:**

Wood, Phillips, Katz, Clark & Mortimer  
 Citicorp Center, Suite 3800  
 500 West Madison Street  
 Chicago, Illinois 60661-2511  
 (312) 876-1800

**FEE AMOUNT:**

Total Fee (37 CFR 3.41) \$40.00

- ☒ Enclosed  
☐ Charge to Deposit Account 23-0785  
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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. Charges to deposit account are authorized, as herein indicated.

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Nora T. Wesley  
 Name of Person Signing

Signature

04-29-04

Date

00655-0966

**PATENT**  
**REEL: 015285 FRAME: 0992**

# ASSIGNMENT

Serial No. 09/963,899

Filed September 26, 2001

In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to **Modine Manufacturing Company**, its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled, "**MODULAR COOLING SYSTEM AND THERMAL BUS FOR HIGH POWER ELECTRONICS CABINETS**", executed by the undersigned on the 12th day of November, 2001, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.

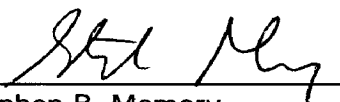
The undersigned hereby authorizes and requests the Commissioner for Patents to issue said Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.


For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same should have been held and enjoyed by the undersigned if this assignment had not been made.

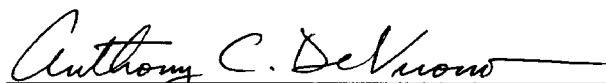
And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights under

the International Convention, and agrees to execute, at the request of said assignee, all documents in connection with any application for foreign letters patent therefor.

  
Stephen B. Memory

  
Fredrick E. Ganaway

  
C. James Rogers

  
Anthony C. DeVuono


November 12, 2001

STATE OF WISCONSIN

COUNTY OF RACINE

Before me, a Notary Public in and for the County and State aforesaid, appeared Stephen B.

Memory, Fredrick E. Ganaway, C. James Rogers, and Anthony C. DeVuono  
to me personally known to be the signer, or signers, of the foregoing instrument, and acknowledged execution of said instrument as a free and voluntary act for the uses and purposes therein expressed.

  
Notary Public  
Commission Exp. 11/17/2002

WOOD, PHILLIPS, VanSANTEN, CLARK & MORTIMER  
500 West Madison Street, Suite 3800  
Chicago, Illinois 60661-2511

# ASSIGNMENT

Serial No. 09/963,899

Filed September 26, 2001

In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to **Modine Manufacturing Company**, its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled, "**MODULAR COOLING SYSTEM AND THERMAL BUS FOR HIGH POWER ELECTRONICS CABINETS**", executed by the undersigned on the 20<sup>th</sup> day of November, 2001, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.


The undersigned hereby authorizes and requests the Commissioner for Patents to issue said Patent to said assignee.


The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.

For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same should have been held and enjoyed by the undersigned if this assignment had not been made.

And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights under

the International Convention, and agrees to execute, at the request of said assignee, all documents in connection with any application for foreign letters patent therefor.

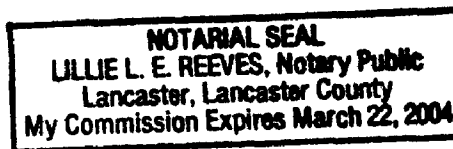
  
\_\_\_\_\_  
Alfred L. Phillips

  
\_\_\_\_\_  
Zhijun Zuo

November 20, 2001

STATE OF Pennsylvania

COUNTY OF Lancaster



Before me, a Notary Public in and for the County and State aforesaid, appeared Alfred L. Phillips and Zhijun Zuo to me personally known to be the signer, or signers, of the foregoing instrument, and acknowledged execution of said instrument as a free and voluntary act for the uses and purposes therein expressed.

  
\_\_\_\_\_  
Notary Public

WOOD, PHILLIPS, VanSANTEN, CLARK & MORTIMER  
500 West Madison Street, Suite 3800  
Chicago, Illinois 60661-2511