

07-27-2001



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R SHEET  
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To the Commissioner of Patents

to record the attached original documents or copy thereof.

1. Name of conveying party(ies): 07/23/01  
 Petur Thors  
 Ramachandran Narayanamurthy  
 Additional names(s) of conveying party(ies) attached  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:  
 Execution Date: May 25, 2001

2. Name and address of receiving party(ies)  
 Name: Wolverine Tube, Inc.  
 Internal Address: Suite 1000  
 Street Address: 200 Clinton Avenue, Suite 1000  
 City: Huntsville State: AL Zip: 35801  
 Additional names(s) & address(es) attached?  Yes  No

4. Application numbers(s) or patent numbers(s):  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
09/836,808

B. Patent No.(s)  
 \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: John S. Pratt  
 Internal Address: Kilpatrick Stockton LLP  
Suite 2800  
 Street Address: 1100 Peachtree Street  
 City: Atlanta State: GA Zip 30309-4530

07/26/2001 BYRNE 00000164 09836808  
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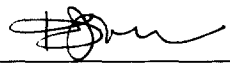
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed. The Commissioner is authorized to charge any deficiency in the required fee or credit any over payment to Deposit Account No. 11-0855.  
 Authorized to be charged to deposit account

8. Deposit account number:  
11-0855

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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.*

Kristin L. Johnson, Reg. No. 44,807   
 Name of Person Signing Signature  
 Total number of pages including cover sheet, attachments, and document:  Date: July 19, 2001

ASSIGNMENT

WHEREAS, we, Petur Thors, a citizen of the United States of America, residing at 4222 Willow Bend Road SE, Decatur, Alabama 35603 USA and Ramachandran Narayanamurthy, a citizen of India, residing at 1075 Dockside Drive, #914 Huntsville, Alabama 35824 USA, have invented certain inventions and improvements in United States utility patent application no. 09/836,808, entitled “**Improved Heat Transfer Tube With Grooved Inner Surface;**” and

WHEREAS, Wolverine Tube, Inc., a corporation of the State of Delaware having a principal place of business at 200 Clinton Avenue, Suite 1000, Huntsville, Alabama 35801 USA, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by Wolverine Tube, Inc., the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto Wolverine Tube, Inc. in and for the United States and its territories and for foreign countries, the full, exclusive and entire right, title and interest in and to said application, including the right to claim priority there from under any applicable convention or treaty, in and to the invention therein set forth and in and to any patent which may issue on said utility application or any reissue, renewal, divisional, or continuation thereof; and we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full

ATLLIB01 1160875.1

**RECORDED: 07/23/2001**

**PATENT  
REEL: 012001 FRAME: 0617**