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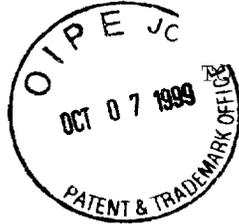
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THE COMMISSIONER OF PATENTS  
WASHINGTON, D.C. 20231

Norman N. Kunitz  
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nnkunitz@venable.com



Attorney  
Reference: BOSCH 0299

BOX ASSIGNMENT

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document(s) or copy(ies) thereof.

- Name of party conveying the interest:  
Klaus HEIKRODT  
Bernd THOMAS
- Name and address of party receiving the interest:  
Robert Bosch GmbH  
Postfach 30 02 20  
D-70442 Stuttgart  
GERMANY
- Description of the interest conveyed or transaction to be recorded:  
 Assignment       Other:
- Application Number: 08/860,211 (PCT/EP96/00134)
- Address correspondence concerning this request to: VENABLE,  
Post Office Box 34385, Washington, DC 10043-9998
- Number of Applications, Patents or Registrations and total fee:  
Patents: 1 patent rights @ \$40      Total: \$ 40.00  
If no fee is attached, or if a greater or lesser fee is required, please charge or credit our Account No. 19-3700.
- Date of execution of document: July 1, 1999 by Klaus HEIKRODT  
July 13, 1999 by Bernd THOMAS
- If document is an assignment of a trademark right to an assignee who is not domiciled in the United States, such assignee has designated a domestic representative  
 per attached designation       other:
- To the best of knowledge and belief of the undersigned, the foregoing information is true and correct and any attached copy is a true copy of the original document.
- Date: October 7, 1999

Name: Norman N. Kunitz  
Registration Number: 20,586

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#163257  
B:AF-ASSIG.COV

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WHEREAS Klaus HEIKRODT of Krefeld and Bernd THOMAS of Aachen, both of Germany hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to HEAT AND COLD-GENERATING MACHINE for which said assignor has caused an application for United States Letters Patent to be prepared,

[ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[X] said application having been filed in the United States Patent and Trademark Office on 7/24/97, Serial Number [if known] 08/860,211

[X] said application having been filed under the Patent Cooperation Treaty on January 13, 1996 Serial No. PCT/EP96/00134, the United States of America being designated.

AND WHEREAS Robert Bosch GmbH, Postfach 30 02 20, D-70442 Stuttgart, Germany and Viessmann Werke GmbH & Co., Industriestrasse, D-35108 Allendorf/Eder, Germany, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 1 day of July, 1999, ~~1997~~

WITNESSES:  
Signature: Werner Böhle

ASSIGNOR:  
Signature: Klaus Heikrodt

Name: Werner Böhle

Name: Klaus HEIKRODT

Address: Nuhneweg 19  
D-35066 Frankenberg

Signature: Marlies Majewske  
Name: Marlies Majewske  
Address: Hangstraße 4  
D-35099 Burgwald

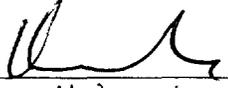
ASSIGNMENT  
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket  
BOSCH 0299

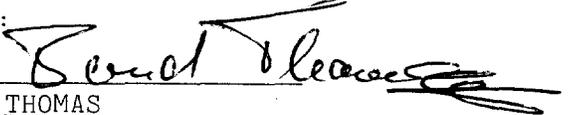
- Page 2 -

EXECUTED, this 13 day of July, ~~1997~~ <sup>1999</sup>

WITNESSES:

Signature:   
Name: Siegfried Heinrich  
Address: Leon-Schmalzbach-Weg 10  
72379 Hechingen

ASSIGNOR:

Signature:   
Name: Bernd THOMAS

Signature:   
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Address: Wengertstr. 7  
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