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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ernst Hafner  
Peter Bubb  
Mathias Gotz

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: November 16, 2002

2. Name and address of receiving party(ies)

Name: TRW Automotive Electronics & Components GmbH

Internal Address: \_\_\_\_\_

Industriestrasse 2-7, 78315 Radolfzell, GERMANY

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) and address(es) attached? ☐ Yes ☐ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 10/238,184

Filed: 9-10-02

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: THOMAS L. TAROLLI, ESQ.

Internal Address: Tarolli, Sundheim, Covell,

Tummino & Szabo LLP

1111 Leader Building

Street Address: 526 Superior Avenue

City: Cleveland State: Ohio Zip: 44114-1400

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

(Attach duplicate copy of this page if paying by deposit account)

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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

THOMAS L. TAROLLI

Name of Person Signing

Reg. No. 20,177

Thomas Tarolli  
Signature

12-4-02

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail Documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington D.C. 20231

2/11/2002 CCHAU1 00000032 10238184

12-16-02

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PATENT  
REEL: 013566 FRAME: 0647

## A S S I G N M E N T

WHEREAS, We, **Ernst HAFNER, Peter BUBB and Matthias GÖTZ** of Am Sonnenbühl 36, 88709 Hagnau, Federal Republic of Germany; of Bergfinkenstrasse 5b, 82194 Gröbenzell, Federal Republic of Germany and of Fallmerayerstrasse 7, 80796 Munich, Federal Republic of Germany, respectively, have made new and useful improvements in a

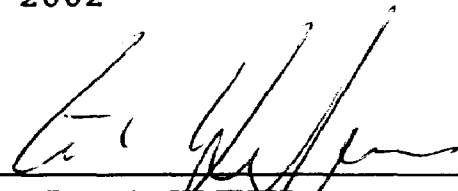
Setting system for an air-conditioner in a vehicle

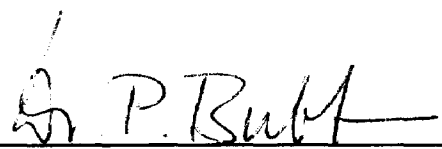
WHEREAS, **TRW Automotive Electronics & Components GmbH & Co. KG**, a corporation duly organized and existing under the laws of the Federal Republic of Germany, having a place of business at Industriestrasse 2-8, 78315 Radolfzell, Federal Republic of Germany, is desirous of acquiring the entire right, title, and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

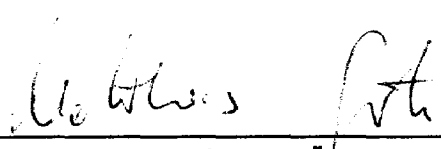
NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, We, the said **Ernst HAFNER, Peter BUBB and Matthias GÖTZ** do hereby assign, sell and set over unto the said **TRW Automotive Electronics & Components GmbH & Co. KG**, its successors or assigns; the entire right, title and interest in and to the aforesaid improvements and any and all inventions pertaining thereto, the application for United States patent executed by us on the 14 day of November, 2002, the 16 day of November, 2002 and the 31<sup>st</sup> day of November, 2002 all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said **TRW Automotive Electronics & Components GmbH & Co. KG**, its successors or assigns; and we further agree to execute such other applications and other

instruments and do all other acts as may be deemed necessary by the said **TRW Automotive Electronics & Components GmbH & Co. KG**, its successors or assigns in order fully to secure, protect, and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said **TRW Automotive Electronics & Components GmbH & Co. KG**, its successors or assigns.

Executed this 16 day of November, 2002

  
Ernst HAFNER

  
Peter BUBB

  
Matthias GÖTZ

Witnessed:  
