

6/19/09

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

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06-22-2009



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U.S. Department of Commerce  
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To the Honorable Commissioner o

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attached original documents or copy thereof.

1. Name of conveying party(ies)/Execution Dates:

Dr. Ulrich Backes

Execution Date(s): **March 17, 2009**Additional name(s) of conveying party(ies) attached ☐ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other: \_\_\_\_\_

2. Name and address of receiving party(ies):

Name: **TRW Automotive Electronics & Components GmbH**

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

Industriestrasse 2-8, 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): **USSN 12/386,643**,  
filed **April 21, 2009**

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

Additional numbers attached? ☐ Yes ☐ No

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

Name: **JAMES L. TAROLLI, ESQ.**Internal Address: Tarolli, Sundheim, Covell,  
& Tummino L.L.P.Street Address: **1300 East Ninth Street, Suite 1700**City: **Cleveland** State: **OH** Zip: **44114-1400**Phone Number: **(216) 621-2234**Fax Number: **(216) 621-4072**

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: **1**7. Total fee (37 1.21(h) & 3.41).....\$**PREVIOUSLY PAID**

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9. Signature:

**JAMES L. TAROLLI**Name of Person Signing  
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Signature

June 16, 2009

Date

Total number of pages including cover sheet, attachments, and document: **4**

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**PATENT**  
**REEL: 022858 FRAME: 0311**

U.S. PTO

04-30-2009

FORM PTO-1595

12/386643

REC'd

(Rev. 6-93),

04/21/2009

OMB No. 0651-0011 (exp. 4/94)

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U.S. Department of Commerce  
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Dr. Ulrich Backes

Execution Date(s): \_\_\_\_\_

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

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

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

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filed

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☐ No

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Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: **1**

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## 9. Signature:

**JAMES L. TAROLLI**Name of Person Signing  
Reg. No. 36,029

Signature

**April 15, 2009**  
DateTotal number of pages including cover sheet, attachments, and document: **2**Mail Documents to be recorded with required cover sheet information to:  
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04/22/2009 MBELETE1 00000045 12386643

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**PATENT**  
**REEL: 022858 FRAME: 0312**

# ASSIGNMENT

WHEREAS, I,

Dr. Ulrich BACKES  
Lessingstrasse 1/1  
78315 Radolfzell, Germany

have made new and useful improvements in an

## Optical Sensor Device

WHEREAS, TRW Automotive Electronics & Components GmbH, 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 me paid, the receipt whereof is hereby acknowledged, I, the said Dr. Ulrich BACKES, do hereby assign, sell and set over unto the said TRW Automotive Electronics & Components GmbH, 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 me on the 17 day of March, 2009, 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 I 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, its successors or assigns; and I 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, 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, its successors or assigns.

Executed this 17 day of March, 2009



Dr. Ulrich BACKES

Witnessed:

