

10-20-2004



102863160

HEET

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(AS)6715

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To the Honorable Commissioner of Patents and Trademarks

he attached original documents or copy thereof.

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

Karsten Schwuchow
Dr. Achim Hoffmann
Thomas Kapfelsperger

Execution Date(s): August 4, 2003

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: 4.12.04

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

Name: TRW Airbag Systems GmbH **RF**

Internal Address: _____

Wernher-von-Braun-Strasse 1, 84544 Aschau am Inn,
GERMANY

Street Address: _____

City: _____

State: _____

Zip: _____

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

4. Application number(s) or patent number(s): ID # 102721166

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

A Patent Application No.(s): 10/648,961
filed August 27, 2003

B. Patent No.(s): _____

Additional numbers attached? ☐ Yes ☐ No

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

Name: THOMAS L. TAROLLI, ESQ.

Internal Address: Tarolli, Sundheim, Covell,
& Tummino L.L.P.

Street Address: 526 Superior Avenue, Suite 1111

City: Cleveland State: OH Zip: 44114-1400

Phone Number: (216) 621-2234

Fax Number: (216) 621-4072

Email Address: www.tarolli.com

6. Total number of applications and patents involved: 13

7. Total fee (37 1.21(h) & 3.41).....\$ PREVIOUSLY PAID

- ☐ Enclosed is a check for the amount indicated above.
☐ Authorized to be charged to deposit account.
☐ Authorized to be charged by credit card
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card: Last 4 Numbers _____

Expiration Date: _____

Authorized User: _____

b. Deposit Account No.: 20-0090

(charge for insufficient fees only)

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

9. Signature:

THOMAS L. TAROLLI, ESQ.

Name of Person Signing
Reg. No. 20,177

Signature

10-15-04

Date

Total number of pages including cover sheet, attachments, and document: 5

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 Washington D.C. 20231

PATENT
 REEL: 015889 FRAME: 0433

FORM PTO-1595

(Rev. 6-93)

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

Tab settings 111

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U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(AS)6715

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

1. Name of conveying party(ies):

Karsten Schwuchow
Dr. Achim Hofmann
Thomas Kapfelsperger

8-27-03

2. Name and address of receiving party(ies)

Name: TRW Airbag Systems GmbH

Internal Address:

Werner-von-Braun Strasse 1, 84544 Aschau am Inn, GERMANY

Street Address:

City: State: Zip:

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

3. Nature of conveyance:

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

Execution Date: August 4, 2003

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

10648961

If this document is being filed together with a new application, the execution date of the application is August 4, 2003

A. Patent Application No.(s)

B. Patent No.(s)

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)

DO NOT USE SPACE

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

Signature

8-26-03

Date

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Washington D.C. 20231

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PATENT
REEL: 015889 FRAME: 0434

04-14-2004
102721166

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U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(AS)6715
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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):

Dr. Sebastian Bierwirth
Karsten Schwuchow
Dr. Achim Hofmann and Thomas Kapfelsperger

4.12.04

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: _____

2. Name and address of receiving party(ies)

Name: TRW Airbag Systems GmbH

Internal Address: _____

Werner-von-Braun Strasse 1, 84544 Aschau am Inn, 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)

U.S. Serial No. 10/648,961

Filed: 8-27-03

Additional numbers attached? ☐ Yes ☐ No

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

Name: THOMAS L. TAROLLI

Internal Address: Tarolli, Sundheim, Covell,

Tummino & Szabo L.L.P.

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).....\$Previously Paid

☐ Enclosed

☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

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DO NOT USE SPACE

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

Signature

4-6-04

Date

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

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

PATENT
REEL: 015889 FRAME: 0435

ASSIGNMENT

WHEREAS, We,

Dr. Sebastian BIERWIRTH
Kumpfmühle 1
83562 Rechtmehring / Germany

Dr. Achim HOFMANN
Buchenstrasse 6a
84570 Polling / Germany

Karsten SCHWUCHOW
Salzburger Strasse 28A
83512 Wasserburg / Germany

Thomas KAPFELSPERGER
Ottostrasse 12
84453 Mühldorf / Germany

have made new and useful improvements in a

Method of Producing a Gas Generator Housing Part, Gas Generator
including such Housing Part and Gas Bag Module

WHEREAS, TRW Airbag Systems GmbH, a corporation duly organized and existing under the laws of the Federal Republic of Germany, having its place of business at Wernher-von-Braun-Strasse 1, 84544 Aschau am Inn, 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,

Dr. Sebastian BIERWIRTH

Karsten SCHWUCHOW

Dr. Achim HOFMANN

Thomas KAPFELSPERGER

do hereby assign, sell and set over unto the said TRW Airbag Systems 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 us on the 4. day of August 2003, the 4. day of August 2003, the 4. day of August 2003 and the 4. day of August 2003, respectively, 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 Airbag Systems GmbH, 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
 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
 its successors or assigns.

TRW Airbag Systems GmbH

TRW Airbag Systems GmbH

Executed this 4th day of August 2003

Sebastian Bieri

Dr. Sebastian BIERWIRTH

Achim Hofmann

Dr. Achim HOFMANN

Karsten Schwuchow

Karsten SCHWUCHOW

Thomas Kapfelsperger

Thomas KAPFELSPERGER

Witnessed:

[Signature]

(Pritz)

[Signature]

< Interferstoffherstellung >