

03-09-2000



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

FORM PTO-1596 (MODIFIED)  
(REV. 6-93)  
OMB NO. 0651-0011  
P09/REV01

101265335

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

1. Name of the conveying party(ies):  
 Bernd Bretschneider  
 Kai-Uwe Lemke  
 Dieter Grafl

Individual(s)       (Association)  
 General Partnership       Limited Partnership  
 Corporation-Delaware       Other: \_\_\_\_\_

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

2. Name and address of receiving party(ies):  
 Name: Dana Corporation  
 Internal Address:  
 Street Address: 4500 Dorr Street

3. Nature of conveyance: **1-31-2000**

Assignment       Merger  
 Security Agreement       Change of Name  
 Other: \_\_\_\_\_

Execution Date: 09/17/99

City: Toledo State: OH Zip: 43697

Individual(s) Citizenship \_\_\_\_\_  
 Association: \_\_\_\_\_  
 General Partnership: \_\_\_\_\_  
 Limited Partnership: \_\_\_\_\_  
 Corporation-State: VA  
 Other:

Additional name(s) & address(ies) attached?  Yes  No

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

A. Patent Application No.(s)  
 Serial No. 09/341,225; filed 07/07/99

Additional numbers attached?  Yes  No

B. Patent No.(s)

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

Name: Michael B. Stewart (36,018)  
 Internal Address: RADER, FISHMAN & GRAUER PLLC  
 Street Address: 1533 N. Woodward Avenue, Suite 140  
 City: Bloomfield Hills State: Michigan Zip: 48304

6. Total number of applications and patents involved:  
 one

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

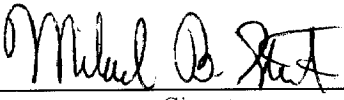
Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
 18-0013

DO NOT USE THIS SPACE

Change 40.00  
No SAC Fee

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.*

Michael B. Stewart            January 20, 2000

Signature      Date

Total number of pages including cover sheet, attachments and document:  Atty. Docket No. 60680-1281

**ASSIGNMENT**  
**(Joint Inventors)**

WHEREAS, We, Bernd Bretschneider, Kai-Uwe Lemke, and Dieter Grafl, citizens of Germany, who reside at Zu den Gärten 1a, D-89335 Ichenhausen, Germany; Heckenbühl 46, D-89075 Ulm, Germany; and Maienweg 164, D-89081 Ulm, Germany, respectively, hereby sell, assign and transfer to Dana Corporation, (incorporated in the state of Virginia) of 4500 Dorr Street, P.O. Box 904, Toledo, Ohio 43697-904, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

**METHOD FOR PRODUCING A HEAT SHIELD AND HEAT SHIELD PRODUCED BY THIS METHOD**

described in an application for Letters Patent of the United States,

\_\_\_\_\_ filed herewith,  
  X   filed as U.S. Serial No. 09/341,225 on July 7, 1999

and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

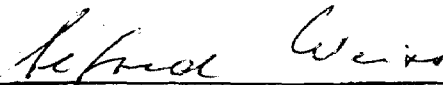
We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at 89233 Neu-Ulm / Germany (L.S.) this 17th day of September, 1999.


  
Bernd Bretschneider

Signed in our presence and acknowledged to be an assignment of the application (invention) hereinabove referred to

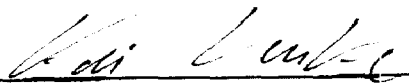
Sept. 17, 1999  
Date

  
Witness (Alfred Weiss)

Sept. 17, 1999  
Date

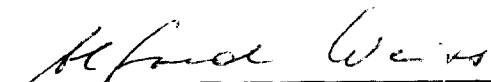
  
Witness (Petra Enderle)

Signed at 89233 Neu-Ulm / Germany (L.S.) this 17th day of September, 1999.


  
Kai-Uwe Lemke

Signed in our presence and acknowledged to be an assignment of the application (invention) hereinabove referred to

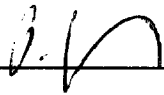
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Witness (Petra Enderle)

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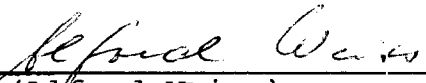
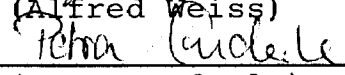
  
Dieter Graf

**Signed in our presence and acknowledged to be an assignment of the application (invention) hereinabove referred to**

Sept. 17, 1999

**Date**  
Sept. 17, 1999

**Date**

  
**Witness** (Alfred Weiss)  
  
**Witness** (Petra Enderle)

R0059017