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Docket No.: DP-312450

U.S. DEPARTMENT OF COMMERCE  
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1. Name of conveying party(ies):

**Richard K. Riefe**  
**Minoo J. Shah**  
**Ray G. Armstrong**  
**Ravindra Jwalapathy**

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

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

Name: **Delphi Technologies, Inc.**  
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City: **Troy** State/Prov: **MI**  
Country: **USA** Zip: **48007-5052**

Additional name(s) & address(s)  Yes  No

3. Nature of conveyance:

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Patent Application No. Filing Date

12/20/2004 STEUMEL1 00000046 11013585

FC:8021

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Patent No(s)

Additional Numbers  Yes  No

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

Name: **Raymond C. Meiers**  
Registration No. **51,081**  
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**The Pinehurst Office Center, Suite #101**  
**39400 Woodward Avenue**  
City: **Bloomfield Hills** State/Prov: **Michigan**  
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6. Total Number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41):.....**\$40.00**

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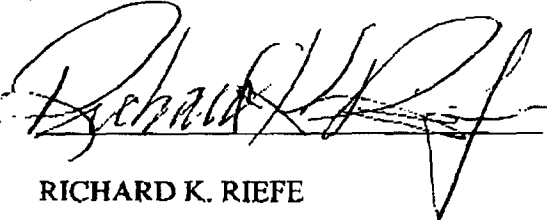
121604

**ASSIGNMENT**

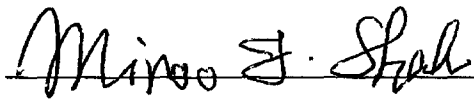
Pursuant to an agreement with my employer, I formally assign to DELPHI TECHNOLOGIES INC., the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application DP-312450 entitled

**PRE-CRASH COLUMN RELEASE**


for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize the Vice President of Delphi Technologies, Inc., or his designate, to insert the application number and filing date of said application here in parentheses ( \_\_\_\_\_ filed \_\_\_\_\_ ) when known.

Inventor's signature:  Date: 09.11.04  
 Full name: RICHARD K. RIEFE Declaration dated: \_\_\_\_\_

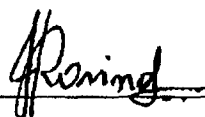
Residence: SAGINAW, MICHIGAN 09.11.04

Inventor's signature:  Date: 12-09-04  
 Full name: MINOO J. SHAH Declaration dated: \_\_\_\_\_

Residence: FARMINGTON HILLS, MICHIGAN 12-09-04

Inventor's signature:  Date: 12-9-04  
 Full name: RAY G. ARMSTRONG Declaration dated: \_\_\_\_\_

Residence: BAY CITY, MICHIGAN 12-9-04

Inventor's signature:  Date: Dec 09, 04  
 Full name: RAVINDRA JWALAPATHY Declaration dated: \_\_\_\_\_

Residence: SAGINAW, MICHIGAN Dec 09, 04