

02-16-2005

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es)

**1. Name of conveying party(ies)/Execution Date(s):**

Muneer AbuSamra Karl-Fritz Heinzelmann  
Robert Anthony Sayman Ludger Ronge  
Charles E. Allen Jr.  
Winfried Sturmer

Execution Date(s) 12/22/2004; 01/05/2004; 12/21/2004  
12/22/2004; 12/22/2004; 01/14/2005

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: Meritor Transmission Corporation

Internal Address:

Street Address: 2135 West Maple Road

City: Troy

State: MI

Country: US Zip: 48084

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

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

- ☒ This document is being filed together with a new application.  
A. Patent Application No.(s)  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: John M. Siragusa

Internal Address: Carlson, Gaskey & Olds, P.C.

Street Address: 400 W. Maple Rd., Ste. 350

City: Birmingham

State: MI Zip: 48009

Phone Number: 248-988-8360

Fax Number: 248-988-8363

Email Address:

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

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers  
Expiration Date

b. Deposit Account Number  
Authorized User Name

**9. Signature:**

*John M. Siragusa*

Signature

February 3, 2005

Date

John M. Siragusa

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

9

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

02/15/2005 6TOM11 00000043 11049829

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PATENT  
REEL: 016250 FRAME: 0266

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Loren Christopher Drier

Execution Date  
Month Day Year

01/05/2005

Name (line 2)

Execution Date  
Month Day Year

01/11/2005

Name (line 1) James Henry DeVore

Name (line 2)

Execution Date  
Month Day Year

12/29/2004

Name (line 1) Ronald Peter Muetzel

Name (line 2)

**Receiving Party(ies)**

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**



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

WHEREAS, we, **Muneer AbuSamra, Robert Anthony Sayman, Charles E. Allen Jr., Winfried Sturmer, Karl-Fritz Heinzelmann, Ludger Ronge, Loren Christopher Dreier, James Henry Devore, and Ronald Peter Muetzel** (hereinafter referred to as Assignors), residing respectively at **255 West Hedgelawn Way, Southern Pines, NC 28387; 12583 Lakewood Drive, Laurinburg, NC 28352; 555 Ten Point Drive, Rochester Hills, MI 48309; An den Schwalgen 29, 97502, Euerbach, Germany; Schuster-Str. 25, D88074 Meckenbeuren, Germany; Riedstr. 7/1, 88097 Eriskirch, Germany; 1231 Greenbriar Place, Vass, NC 28394; 11400 Kerrimur Drive, Laurinburg, NC 28352; and Konstantin-Schmach Str. 5, 88045 Friedrichshafen, Germany** have invented new and useful improvements in:

**VARIABLE ENGAGEMENT CENTRIFUGAL CLUTCH ASSEMBLY**

which is set forth in an application in the United States filed herewith;

AND WHEREAS, **Meritor Transmission Corporation** (hereinafter referred to as Assignee), of 2135 West Maple Road, Troy, MI 48084 is desirous of acquiring the entire right, title and interest in and to said invention and said Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file and prosecute foreign patent applications corresponding to said application in foreign patent offices, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

AND the Assignors hereby covenant and agree that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

Dated: 12/22/04

Inventor:   
**Muneer AbuSamra**

Dated: 1/5/04

Inventor:   
**Robert Anthony Sayman**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Charles E. Allen Jr.**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Winfried Sturmer**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Karl-Fritz Heinzelmann**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Ludger Ronge**

Dated: 1-5-05

Inventor:   
**Loren Christopher Dreier**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**James Henry DeVore**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Ronald Peter Muetzel**

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Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Muneer AbuSamra**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Robert Anthony Sayman**

Dated: 12-21-04

Inventor: Charles E. Allen Jr.  
**Charles E. Allen Jr.**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Winfried Sturmer**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Karl-Fritz Heinzelmann**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Ludger Ronge**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Loren Christopher Dreier**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**James Henry DeVore**

Dated: \_\_\_\_\_

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**Ronald Peter Muetzel**

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Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Muneer AbuSamra**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Robert Anthony Sayman**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Charles E. Allen Jr.**

Dated: December 22, 2004

Inventor: Winfried Stürmer  
**Winfried Stürmer**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Karl-Fritz Heinzelmann**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Ludger Ronge**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Loren Christopher Dreier**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**James Henry DeVore**

Dated: \_\_\_\_\_

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Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Robert Anthony Sayman**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Charles E. Allen Jr.**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Winfried Sturmer**

Dated: 77.12.04

Inventor: Karl-Fritz Heinzelmänn  
**Karl-Fritz Heinzelmänn**

Dated: 14.1.2005

Inventor: Ludger Ronge  
**Ludger Ronge**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Loren Christopher Dreier**

Dated: 2005-1-11

Inventor: James Henry DeVore  
**James Henry DeVore**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**Ronald Peter Muetzel**

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Inventor: \_\_\_\_\_

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Inventor: \_\_\_\_\_

**Charles E. Allen Jr.**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_

**Winfried Sturmer**

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Inventor: \_\_\_\_\_

**Ludger Ronge**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_

**Loren Christopher Dreier**

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_

**James Henry DeVore**

Dated: 29/Dec/2004

Inventor: \_\_\_\_\_

**Ronald Peter Muetzel**