

09-29-2000



101476489

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

**New** 9-19-00

**Resubmission (Non-Recordation)**  
Document ID#

**Correction of PTO Error**  
Reel #  Frame #

**Corrective Document**  
Reel #  Frame #

**Conveyance Type**

**Assignment**  **Security Agreement**

**License**  **Change of Name**

**Merger**  **Other**

*U.S. Government*  
(For Use ONLY by U.S. Government Agencies)

**Departmental File**  **Secret File**

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

|   |   |
|---|---|
| Name (line 1) <input type="text" value="Glacier Metal Company Limited, The"/> | Execution Date<br>Month Day Year<br><input type="text" value="12/18/98"/> |
| Name (line 2) <input type="text" value="an England and Wales Corporation"/>   |   |
| <b>Second Party</b>   | Execution Date<br>Month Day Year  |
| Name (line 1) <input type="text"/>  | <input type="text"/>  |
| Name (line 2) <input type="text"/>  |   |

**Receiving Party**

Mark if additional names of receiving parties attached

|  |  |                                    |
|--|--|------------------------------------|
| Name (line 1) <input type="text" value="Dana Corporation"/>                    | <input type="checkbox"/> 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) <input type="text" value="a Virginia Commonwealth Corporation"/> |  |                                    |
| Address (line 1) <input type="text" value="4500 Door Street"/>                 |  |                                    |
| Address (line 2) <input type="text"/>  |  |                                    |
| Address (line 3) <input type="text" value="Toledo"/>                           |  |                                    |
| <small>City</small>  | <input type="text" value="Ohio / USA"/>  | <input type="text" value="43615"/> |
|  | <small>State/Country</small>   | <small>Zip Code</small>            |

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

09/26/2000 NTHA11 0000027E 4413063

FOR OFFICE USE ONLY

|           |           |
|-----------|-----------|
| 01 FC:581 | 240.00 OP |
| 02 FC:998 | 25.00 OP  |

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 011111 FRAME: 0266**

**Correspondent Name and Address**

Area Code and Telephone Number (303) 473-2710

Name Scott S. Havlick, Esq.

Address (line 1) Holland & Hart LLP

Address (line 2) 1050 Walnut Street, Suite 500

Address (line 3) Boulder, CO 80302

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments.

# 4

**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)

Three empty boxes for Patent Application Number(s).

4,413,083 4,889,435 4,924,523  
5,153,253 5,145,264 5,139,348  
4,405,740 4,383,069 4,288,895

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT [ ] PCT [ ] PCT [ ]  
PCT [ ] PCT [ ] PCT [ ]

**Number of Properties**

Enter the total number of properties involved.

# 10

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 265.00

Method of Payment: Deposit Account

Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 08-2623

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Scott S. Havlick, Esq.

*Scott Havlick*

9/19/00

Name of Person Signing

Signature

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

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)

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| <input type="text"/> | <input type="text"/> | <input type="text"/> |

29

DATED 18 December 1998

THE GLACIER METAL COMPANY LIMITED

- and -

DANA CORPORATION

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ASSIGNMENT OF PATENTS  
UNITED STATES OF AMERICA

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Nabarro Nathanson  
50 Stratton Street  
London W1X 6NX

WE CERTIFY the within to be a  
true copy of the original.

NABARRO NATHANSON  
Dated 17 AUGUST 2000  
File D1341.24  
Ref: EA/TAT

**ASSIGNMENT OF PATENTS  
UNITED STATES OF AMERICA**

**DATE:** 18/12/98

**PARTIES:**

- (1) THE GLACIER METAL COMPANY LIMITED a company incorporated in England and Wales whose registered office is at Argyle House, Joel Street, Northwood Hills, Middlesex HA6 1LN ("Assignor").
- (2) DANA CORPORATION a company incorporated in the Commonwealth of Virginia whose principal place of business is at 4500 Dorr Street, Toledo, Ohio 43615, USA ("Assignee").

**RECITALS:**

- (A) The Assignor is the registered proprietor of the granted patents, short particulars of which are set out in the Schedule hereto (the "Patents").
- (B) The Assignor has agreed to assign the Patents to the Assignee.

**TERMS AGREED:**

1. In consideration of \$1.00 and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor with full title guarantee hereby assigns to the Assignee, to hold unto the Assignee, its successors and assigns absolutely for all times hereafter:
  - 1.1 the Patents for the residue of their respective terms, including all renewals and extensions;
  - 1.2 all rights of priority relating to the Patents, and
  - 1.3 so far as it is able, the right to sue for and obtain full and effective relief in respect of every act of infringement of the Patents occurring prior to the date of this Assignment.

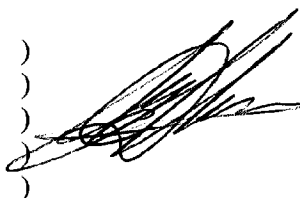
AS WITNESS the hands of the authorised signatories for the parties hereto on the day and year first before written.

**The Schedule  
hereinbefore referred to**

| <b>Patent No. /<br/>Application No.</b> | <b>Grant /<br/>Application</b> | <b>Renewal /<br/>Priority</b> | <b>Expiry /<br/>Status</b> | <b>Applicant /<br/>Descriptive Title</b>                              |
|---|--------------------------------|-------------------------------|----------------------------|---|
| 4413083<br>359,664                      | 01/11/1983<br>02/07/1981       | 01/05/1995<br>04/07/1980      | 02/07/2001<br>Granted      | The Glacier Metal Company<br>Limited<br>Solvents For PPS              |
| 4889435<br>07/240709                    | 26/12/1989<br>06/09/1988       | 26/06/2001<br>05/09/1987      | 06/09/2008<br>Granted      | The Glacier Metal Company<br>Limited<br>Dissimilar bearing halves     |
| 4924523<br>07/241,114                   | 08/05/1990<br>06/09/1988       | 08/11/2001<br>17/09/1987      | 06/09/2008<br>Granted      | The Glacier Metal Company<br>Limited<br>Freely Assoc'd Thrust Washers |
| 5153253<br>07/611699                    | 06/10/1992<br>13/11/1990       | 06/04/2000<br>30/11/1989      | 13/11/2010<br>Granted      | The Glacier Metal Company<br>Limited<br>RB85-PVDF Bearing Material    |
| 5145264<br>07/661183                    | 08/09/1992<br>27/02/1991       | 08/03/2000<br>02/03/1990      | 27/02/2011<br>Granted      | The Glacier Metal Company<br>Limited<br>Type 1 Flanged Bush           |
| 5139348<br>07/661184                    | 18/08/1992<br>27/02/1991       | 18/02/2000<br>02/03/1990      | 27/02/2011<br>Granted      | The Glacier Metal Company<br>Limited<br>Type 2 Flanged Bush           |
| 4405740<br>355,741                      | 20/09/1983<br>02/07/1981       | 20/03/1995<br>04/07/1980      | 02/07/2001<br>Granted      | The Glacier Metal Company<br>Limited<br>Solvent For PPS               |
| 4383069<br>355,747                      | 10/05/1983<br>02/07/1981       | 10/11/1994<br>04/07/1980      | 02/07/2001<br>Granted      | The Glacier Metal Company<br>Limited<br>Solvents For PPS              |
| 4288895<br>53,518                       | 15/09/1981<br>29/06/1979       | 10/11/1976                    | 29/06/1999<br>Granted      | The Glacier Metal Company<br>Limited<br>Laser Beam Welding of Flanges |
| 4301213<br>165123                       | 17/11/1981<br>08/02/1979       | 06/03/1978                    | 08/02/1999<br>Granted      | The Glacier Metal Company<br>Limited<br>PPS Bonded to Steel with Frit |

**DULY EXECUTED:**

SIGNED by D. J. LUDLOW (ATTORNEY) )  
 .....for and on )  
 behalf of **THE GLACIER METAL** )  
**COMPANY LIMITED** )  
 in the presence of:- )



SIGNED by DANIEL J. MOODY  
for and on behalf of  
**DANA CORPORATION**  
in the presence of:-

)  
) *Daniel J. Moody*  
)  
as duly authorized attorney