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09-29-2000

U.S. Department of Commerce  
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101476470

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09/28/2000 NTHA11 00000273 4652150

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02 FC:998200.00 OP  
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**PATENT**  
**REEL: 011111 FRAME: 0362**

**Correspondent Name and Address**

Area Code and Telephone Number (303) 473-2710

Name Scott S. Havlick, Esq.

Address (line 1) Holland &amp; 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.

# 3

**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)**

4,652,150	4,707,194	4,770,547
4,795,682	RE 32,595	4,592,782
4,696,867	4,657,683	

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.

# 8

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 215.00

Method of Payment:

Enclosed ☒Deposit Account ☐

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.

Name of Person Signing

Scott S. Havlick

Signature

Date

9/17/00

①

DATED 18 December 1998

A E PLC

- 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 December 1998

**PARTIES:**

- (1) A E PLC a company incorporated in England and Wales whose registered office is at Cawston House, Rugby, Warwickshire CV22 7SB ("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.

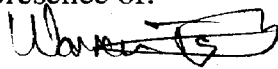
AS WITNESS the hands of the authorised signatories for the parties hereto on the day and year first before written.

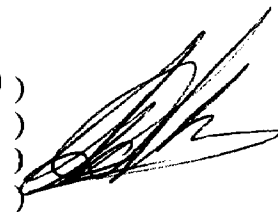
**The Schedule  
hereinbefore referred to**

<b>Patent No. / Application No.</b>	<b>Grant / Application</b>	<b>Renewal / Priority</b>	<b>Expiry / Status</b>	<b>Applicant / Descriptive Title</b>
4652150 06/794,550	24/03/1987 04/11/1985	24/09/1998 10/12/1984	04/11/2005 Granted	AE PLC Flexible Attached Flanges
4707194 06/863711	17/11/1987 16/05/1986	17/05/1999 28/05/1985	16/05/2006 Granted	AE PLC AS124 Bearing Material
4770547 07/55305	13/09/1988 29/05/1987	13/03/2000 03/06/1986	29/05/2007 Granted	AE PLC Thrust Washer w Bent-over Tabs
4795682 07/72532	03/01/1989 13/07/1987	03/07/2000 19/07/1986	13/07/2007 Granted	AE PLC Tin-Cobalt Overlays
RE.32,595 824,798	09/02/1988 22/10/1982	20/06/1995 22/10/1981	22/10/2002 Granted	AE PLC PPS/Peek Alloy
4592782 588,386	03/06/1986 12/03/1984	03/12/1997 14/03/1983	12/03/2004 Granted	AE PLC PFTE/Peek/Graphite/Bronze
4696867 583,198	29/09/1987 24/02/1984	29/03/1999 05/07/1983	29/09/2004 Granted	AE PLC Al/Tin/Silicon Bearing Alloy
4657683 839,429	14/04/1987 13/03/1986	14/10/1998 15/03/1985	13/03/2006 Granted	AE PLC Erosion Resistant DU

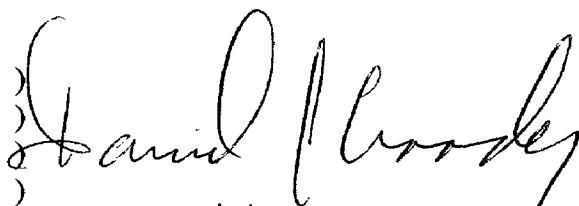
**DULY EXECUTED:**

**SIGNED** by D. J. LUDLOW (ATTORNEY) )  
.....for and on )  
behalf of **A E PLC** )  
in the presence of:- )

  
WARREN TAYLOR



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

  
as duly authorised attorney