

FORM PTO-1595

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):
Coltec Industries Inc.

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

2. Name and address of receiving party(ies):
 Name: **Goodrich Pump and Engine Control Systems, Inc.**

Internal Address: **Four Coliseum Centre**
2730 West Tyvola Road

Street Address: **Same**

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date(s): **May 22, 2002**

City: **Charlotte** State: **NC** ZIP: **28217**

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

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) Filing Date(s)
See Attached Exhibit D-1

B. Patent No.(s)
See Attached Exhibit D-1

Additional numbers attached? Yes No

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

Name: **David R. Percio**

Address: **Four Coliseum Centre**
2730 West Tyvola Road
Charlotte, NC 28217

Street Address:

City: State: Zip:

6. Total number of applications and patents involved: **38**


7. Total fee (37 CFR 3.41): \$ **1,520**

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: **50-1993**
 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

David R. Percio  **July 29, 2003**
 Name of Person Signing Signature Date

Total number of pages comprising cover sheet: **1**

CH \$1520.00 501993 09654598

EXHIBIT D-1

S. PATENTS

<u>Patent No.</u>	<u>Title</u>
4,478,038	Manual Training Mode for Fuel Control
4,487,548	Centrifugal Main Fuel Pump Having Starting Element
4,488,236	Helicopter Cruise Fuel Conserving Engine Control
4,490,791	Adaptive Gas Turbine Acceleration Control
4,493,465	Helicopter Engine Torque Compensator
4,493,623	Oil Lubricated Main Drive Shaft for Fuel Pump
4,500,966	Super Contingency Aircraft Engine Control
4,537,025	Electronic Fuel Control With Manual Training Mode
4,578,945	Limiter for Gas Turbine Fuel Control
4,605,235	Shaft Seal Assembly for Fuel Pumps
4,608,880	Push Pull Multiplier Linkage
4,629,394	Centrifugal Pump With Low Flow Diffuser
4,643,635	Vapor Cone Pump With Impeller
4,736,155	Transducer Temperature Control Circuit and Method
4,736,331	Helicopter Hover Indicator
4,793,133	Manual Backup for Electronic Fuel Control
4,804,313	Side Channel Self Priming Fuel Pump Having Reservoir
4,969,444	Transfer System for Combustion Engine Fuel Control Devices
5,020,316	Helicopter Control With Decoy
5,413,466	Unified Fuel Pump Assembly
5,490,387	Flame-Out Resistant Fuel Pumping System
5,545,014	Variable Displacement Vane Pump
5,545,018	Variable Displacement Vane Pump
5,716,201	Variable Displacement Vane Pump With Vane Tip Relief
5,726,891	Surge Detection System Using Engine Signature

5,733,109	Variable Displacement Vane Pump
5,738,500	Low Activation Friction Cam Seal
5,833,438	Variable Displacement Vane Pump Having Cam Seal
5,863,189	Variable Displacement Vane Pump Adjustable by Low Actuation Loads
6,241,392	Hybrid Bearing

U.S. PATENT APPLICATIONS

<u>Serial No.</u>	<u>Title</u>
09/654,598	Small Efficient Low Specific Speed Pump
09/741,524	Static Cam Seal for VDVP
09/836,093	Center Feed Pump
09/867,359	VDVP Based Fuel Metering Unit
09/963,180	Engine Control System
09/966,715	Vane Pump Undervane Feed for Balanced Pressure
09/966,132	Vane Pump Wear Sensor for Predicted Failure Mode
09/974,585	Control System for Positioning

FOREIGN PATENTS AND PATENT APPLICATIONS

<u>Country</u>	<u>App./Pat.</u>	<u>Title</u>
Canada	1,201,188	Adaptive Gas Turbine Acceleration Control
EP	0092426	Adaptive Gas Turbine Acceleration Control
Canada	1,234,697	Manual Backup for Electronic Fuel Control
UK	2149455	Manual Backup for Electronic Fuel Control
EP	0666423	Surge Detection System Using Engine Signature
Japan	9412/95	Surge Detection System Using Engine Signature
EP	0 649 986	Unified Fuel Pump Assembly
Japan	258626/94	Unified Fuel Pump Assembly
EP	0 283,780	Side Channel Self Priming Fuel Pump Having Reservoir
Germany	0 399 437	Transfer System for Combustion Engine Fuel Control Devices
EP	0 399 437	Transfer System for Combustion Engine Fuel Control Devices
France	0 399 437	Transfer System for Combustion Engine Fuel Control Devices
UK	0 399 437	Transfer System for Combustion Engine Fuel Control Devices
EP	0 684 182	Flame-Out Resistant Fuel Pumping System
Japan	121995/95	Flame-Out Resistant Fuel Pumping System

PATENT ASSIGNMENT

WHEREAS, Coltec Industries Inc, hereinafter "Assignor", a corporation organized and existing under the laws of the State of Pennsylvania and having a principal place of business at Four Coliseum Centre, 2730 West Tyvola Road, Charlotte, North Carolina 28217, is the owner of the entire right, title and interest in and to certain patents and patent applications listed on Exhibit D-1 annexed hereto (collectively referred to as the "Patents"); and

WHEREAS, Goodrich Pump and Engine Control Systems, Inc., hereinafter "Assignee", a corporation organized and existing under the laws of the State of Delaware and having a principal place of business at Four Coliseum Centre, 2730 West Tyvola Road, Charlotte, North Carolina 28217, is desirous of acquiring all right, title, and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby contributes, transfers, conveys assigns and delivers to Assignee the entire right, title and interest in and to the Patents throughout the world and the inventions and designs covered thereby, including the right to claim priority and the right to any continuation, division, or substitute application thereof and the right to any reissue, restoration, extension or reexamination of any patent thereof, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives, to the end of the terms for which the Patents have been or will be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made; together with all claims by Assignor for damages by reason of past infringement of the Patents with the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns and other legal representatives.

Assignor agrees that when requested by Assignee it will execute all documents necessary or desirable to properly vest full right, title and interest in and to all Patents throughout the world in the name of Assignee or which at the sole cost of Assignee may be necessary to obtain, maintain, issue or enforce said Patents.

IN WITNESS WHEREOF, Coltec Industries Inc has caused this Patent Assignment to be executed and delivered as of this 22nd day of May, 2002.

IN WITNESS WHEREOF, Goodrich Pump and Engine Control Systems, Inc. accepts this Patent Assignment executed and delivered as of this 22nd day of May, 2002.

COLTEC INDUSTRIES INC

By: *Scott E. Kuechle*
Name: Scott E. Kuechle
Title: Vice President & Treasurer

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EP	0 652 370	Variable Displacement Vane Pump
Japan	204729/94	Variable Displacement Vane Pump
UK	2 201 792	Transducer Temperature Control Circuit and Method
PCT	US01/01073	Hybrid Bearing
EP	01 942 701.2	Hybrid Bearing
Japan	2001-553546	Hybrid Bearing
PCT	US00/23910	Small Efficient Low Specific Speed Pump
EP	00 986 603.9	Static Cam Seal for VDVP
Japan	2001-547465	Static Cam Seal for VDVP
PCT	US00/34592	Static Cam Seal for VDVP
PCT	US01/12296	Center Feed Pump
PCT	US01/30428	Vane Pump Undervane Feed for Balanced Pressure
PCT	US01/30427	Vane Pump Wear Sensor for Predicted Failure Mode