

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Northrop Grumman Systems Corporation (f/k/a TRW Inc.)</td> <td>03/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Northrop Grumman Systems Corporation (f/k/a TRW Inc.)	03/13/2013						
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Goodrich Control Systems</td> </tr> <tr> <td>Street Address:</td> <td>Stratford Road</td> </tr> <tr> <td>City:</td> <td>Solihull, West Midlands</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>B90 4LA</td> </tr> </table>		Name:	Goodrich Control Systems	Street Address:	Stratford Road	City:	Solihull, West Midlands	State/Country:	UNITED KINGDOM	Postal Code:	B90 4LA
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number:  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 704-423-5574        Email: ann.morouney@utas.utc.com        Correspondent Name: Kevin O'Brien        Address Line 1: 2730 West Tyvola Road        Address Line 2: Four Coliseum Centre        Address Line 4: Charlotte, NORTH CAROLINA 28217</p>											
ATTORNEY DOCKET NUMBER:	FARADAY										
NAME OF SUBMITTER:	Kevin O'Brien										
<p>Total Attachments: 3        source=USPN 6445099 - Executed Assignment#page1.tif        source=USPN 6445099 - Executed Assignment#page2.tif        source=USPN 6445099 - Executed Assignment#page3.tif</p>											

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## ASSIGNMENT

THIS ASSIGNMENT, made by Northrop Grumman Systems Corporation, as successor in interest to Northrop Grumman Space & Mission Systems Corp. (f/k/a TRW Inc.), a corporation of the State of Delaware, having its principal place of business at 2980 Fairview Park Drive, Falls Church, Virginia 22042, United States of America, hereinafter referred to as Assignor;

WITNESSETH: That,

WHEREAS, as shown by the records of the United States Patent and Trademark Office, Assignor has previously acquired all right, title, and interest in and to United States Patent No. 6,445,099 entitled "Bearing Failure Detector For Electrical Generator" and in and to all corresponding patents and/or patent applications worldwide, and in and to the inventions represented thereby (all hereinafter referred to as the "Patents"); and,

WHEREAS Goodrich Control Systems, incorporated and organized under the laws of England and Wales, having its principal place of business at Stratford Road, Solihull, West Midlands, B90 4LA, United Kingdom, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said Patents and in and to the inventions represented thereby; and

WHEREAS, the parties have agreed to the Assignment hereinafter set forth;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the above Assignor has sold and by these presents does hereby sell, assign, transfer, and convey unto the said Assignee, its successors and assigns, its entire right, title, and interest in and to said Patents and the inventions represented thereby, and any and all continuations, continuations-in-part, or divisions thereof, and any and all Letters Patent or reissues, reexaminations, or extensions thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim priority in all foreign countries in accordance with the International Convention; all rights corresponding to said Patents in foreign countries throughout the world; and all of its rights to sue for past infringement of said Patents worldwide, together with all claims for damage by reason of past infringement of said Patents, with the right to sue for, and collect the same for Assignee's own use and enjoyment; all to be

held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

From time to time after the date hereof, at the request of either party hereto, and at the expense of the party so requesting, each of the parties hereto shall execute and deliver to such requesting party such documents and take such other action as such requesting party may reasonably request in order to consummate more effectively the transactions contemplated hereby.

The Assignor further covenants and agrees that, at the time of the execution and delivery of these presents, it possesses full title to the inventions and Patents thereon as earlier identified, and that it has the unencumbered right and authority to make this assignment.

IN WITNESS WHEREOF, the Assignor has caused this assignment to be executed this 13<sup>th</sup> day of March, 2013.

By: Jennifer C. McGarey (SEAL)  
Jennifer C. McGarey  
Its: Secretary

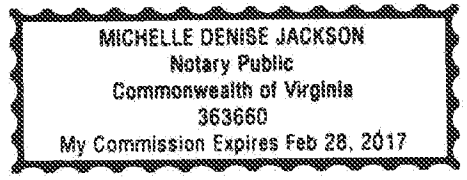
COMMONWEALTH OF VIRGINIA  
COUNTY/CITY OF Falls Church

I, Michelle D. Jackson, a Notary Public for said City and Commonwealth, do hereby certify that Jennifer C. McGarey, personally came before me this day and acknowledged that she is the Secretary of Northrop Grumman Systems Corporation, as successor in interest to Northrop Grumman Space & Mission Systems Corp. (f/k/a TRW Inc.), and acknowledged, of \_\_\_\_\_, the due execution of the foregoing instrument.

Witness my hand and official seal, this the 13<sup>th</sup> day of March, 2013.

(Official Seal)

Michelle D. Jackson  
Notary Public



My commission expires: 02-28-2017