

## 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>Curtis Christian CRANE</td><td>08/15/2008</td></tr><tr><td>Brian T. GALLUS</td><td>08/18/2008</td></tr></tbody></table>	Name	Execution Date	Curtis Christian CRANE	08/15/2008	Brian T. GALLUS	08/18/2008	
Name	Execution Date						
Curtis Christian CRANE	08/15/2008						
Brian T. GALLUS	08/18/2008						
RECEIVING PARTY DATA							
Name:	JOHNSON CONTROLS TECHNOLOGY COMPANY						
Street Address:	915 East 32nd Street						
City:	Holland						
State/Country:	MICHIGAN						
Postal Code:	49423						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12175123</td></tr></tbody></table>	Property Type	Number	Application Number:	12175123			
Property Type	Number						
Application Number:	12175123						
CORRESPONDENCE DATA							
Fax Number:	(717)237-5300						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	717-237-5455						
Email:	kkirk@mwn.com						
Correspondent Name:	Kerri J. Kirk						
Address Line 1:	100 PINE STREET						
Address Line 2:	P.O. BOX 1166						
Address Line 4:	HARRISBURG, PENNSYLVANIA 17108-1166						
ATTORNEY DOCKET NUMBER:	26424-0039						
NAME OF SUBMITTER:	Kerri J. Kirk						
Total Attachments: 3 source=a1332224#page1.tif source=a1332224#page2.tif							

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PATENT  
REEL: 021471 FRAME: 0407



**JOINT ASSIGNMENT OF APPLICATION**

WHEREAS, we, **Curtis Christian CRANE and Brian T. GALLUS**, hereafter referred to singly and collectively as "Assignor," residing at the address(es) listed below, has invented certain new and useful modifications, improvements, and inventions relating to a(n) **CONTROL SYSTEM**

- ☐ for which an application for a United States Patent will be subsequently filed. Assignor hereby authorizes and requests an attorney having the power of attorney to prosecute the application from McNees Wallace & Nurick LLC to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of the application when known and to insert in this Assignment any other identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this Assignment.
- ☒ for which an International Patent Application (PCT) was filed on July 16, 2008, Application Number PCT/US08/70178, and for which an application for a United States Patent was filed on July 17, 2008, Application Number 12/175,123.

and

WHEREAS, **JOHNSON CONTROLS TECHNOLOGY COMPANY**, whose street address is **915 East 32<sup>nd</sup> Street, Holland, Michigan 49423, United States of America**, herein referred to as "Assignee," is desirous of acquiring the entire right, title and interest in the same.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, Assignor has irrevocably sold, assigned, transferred and set over, and hereby irrevocably sells, assigns, transfers and sets over unto the Assignee, its lawful successors and assigns, Assignor's entire right, title and interest in and to all inventions disclosed in this application, including any modifications, improvements, and related inventions, whether presently disclosed in this application or not, and any related provisional, nonprovisional, original, regular, counterpart, reissue, and re-examination applications, including extensions, divisional, continuation, and continuation-in-part applications thereof in the United States, any foreign country, or under any international treaty or convention, and all Letters Patent of the United

States which may be granted thereon, and all rights to claim priority on the basis of such application, and all applications for Letters Patent that may hereafter be filed for such inventions in any foreign country or under any international treaty or convention and all Letters Patent which may be granted on such inventions in any foreign country or under any international treaty or convention, and all extensions, renewals, and reissues thereof; and Assignor hereby authorizes and requests the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications or inventions as described herein, to issue all Letters Patent for such inventions to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, Assignor hereby covenants that Assignor has the full and unencumbered right to convey the interests assigned by this Assignment, and Assignor has not executed and will not execute any agreement in conflict with this Assignment;


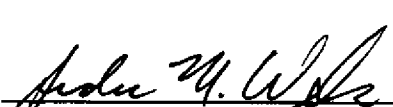
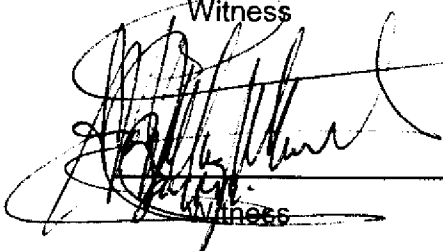
AND, Assignor hereby further acknowledges that Assignee has sole control and decision-making authority regarding the prosecution of this application and any application for related inventions, and that Assignee may require Assignor's cooperation for further preparation and prosecution of such applications, which cooperation will be provided without further consideration, including but not limited to reviewing specifications, executing petitions, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to Assignor relating to this application or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in Assignor's control or in the control of Assignor's heirs or legal representatives and that may be useful for establishing the facts of conception, disclosure, or reduction to practice of any invention, including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings; and to testify in person or by affidavit as required by Assignee, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; it being understood that any expense incident to the execution of such papers or activities shall be borne by the Assignee, its successors and assigns;

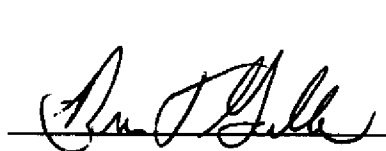
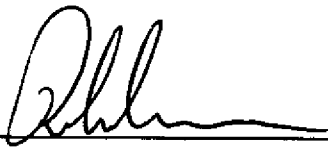

AND, Assignor hereby further acknowledges Assignor's obligation to assign this application to Assignee, as well as applications for all modifications, improvements, and related inventions, whether presently included in this application or not;

Assignor hereby declares that all statements made herein of Assignor's own knowledge are true and that all statements made on information and belief are believed to be true; and

further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

IN WITNESS WHEREOF and INTENDING TO BE LEGALLY BOUND, We/I hereunto set our/my hand(s) having read and understood this Assignment.

	<u>8/15/08</u>		<u>8/15/08</u>
Assignor	Date	Witness	Date
Curtis Christian CRANE			
3361 Druck Valley Road			
York, Pennsylvania 17406			
United States of America			
			<u>8/15/08</u>
		Witness	Date

	<u>8/18/08</u>		<u>8/18/08</u>
Assignor	Date	Witness	Date
Brian T. GALLUS			
881 Beaverton Drive			
York, Pennsylvania 17403			
United States of America			
			<u>8/18/08</u>
		Witness	Date