

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>William T. Greenleaf</td> <td>09/24/2009</td> </tr> <tr> <td>Andrew M. Vesel</td> <td>09/25/2009</td> </tr> <tr> <td>Steve J. Nieuwsma</td> <td>09/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	William T. Greenleaf	09/24/2009	Andrew M. Vesel	09/25/2009	Steve J. Nieuwsma	09/24/2009				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Rockwell Collins, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>400 Collins Rd. NE</td> </tr> <tr> <td>Internal Address:</td> <td>Attn: Intellectual Property Dept M/S 124-323</td> </tr> <tr> <td>City:</td> <td>Cedar Rapids</td> </tr> <tr> <td>State/Country:</td> <td>IOWA</td> </tr> <tr> <td>Postal Code:</td> <td>52498</td> </tr> </table>		Name:	Rockwell Collins, Inc.	Street Address:	400 Collins Rd. NE	Internal Address:	Attn: Intellectual Property Dept M/S 124-323	City:	Cedar Rapids	State/Country:	IOWA	Postal Code:	52498
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CORRESPONDENCE DATA													
<p>Fax Number: (319)295-8777</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 319-295-8280</p> <p>Email: skmathews@rockwellcollins.com</p> <p>Correspondent Name: ROCKWELL COLLINS, INC. INTELLECTUAL PROP</p> <p>Address Line 1: 400 COLLINS ROAD NE</p> <p>Address Line 2: M/S 124-323</p> <p>Address Line 4: CEDAR RAPIDS, IOWA 52498</p>													
ATTORNEY DOCKET NUMBER:	09CR272												
NAME OF SUBMITTER:	Andrew D. Schroeder												
Total Attachments: 3													

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PATENT
REEL: 023284 FRAME: 0088

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ASSIGNMENT OF INVENTION

WHEREAS, William T. Greenleaf, of Indialantic, County of Brevard, and State of Florida, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

OBJECT REPRESENTATION OF SENSOR DATA

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR272, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, INC., for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at CEAR RAPIDS, County of WINN and State of Iowa, this 24th day of September, 2009.

William T Greenleaf
WILLIAM T. GREENLEAF

State of Iowa
County of WINN)

On this 24th day of September, 2009, before me personally appeared WILLIAM T. GREENLEAF to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Notary Public: Sheila Kae Mathews
My Commission Expires: 02/13/2011
Commission Number: 155044

ASSIGNMENT OF INVENTION

WHEREAS, Andrew M. Vesel, of Indialantic, County of Brevard, and State of Florida, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR272, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, INC., for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

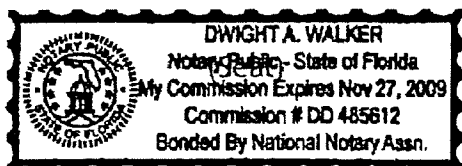
Executed at Melbourne, County of Brevard and State of Florida, this 25 day of September, 2009.

Andrew M. Vesel

ANDREW M. VESEL

State of Florida)
County of Brevard)

On this 25 day of September, 2009, before me personally appeared ANDREW M. VESEL to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Notary Public: Dwight Walker
My Commission Expires: NOV 27 2009
Commission Number: DD485612

ASSIGNMENT OF INVENTION

WHEREAS, Steve J. Nieuwsma, of Marion, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

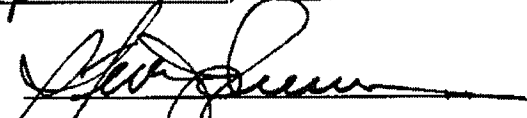
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It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, INC., for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and
State of Iowa, this 24th day of September, 2009


STEVE J. NIEUWSMA

State of IOWA)
County of LINN)

Rebecca S. Cook
Notarial Seal
State of Iowa
Commission No. 180746
My Commission Expires August 15, 2010

On this 24 day of September, 2009, before me personally appeared STEVE J. NIEUWSMA to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(Seal)

Notary Public: Rebecca S. Cook
My Commission Expires: AUGUST 15, 2010
Commission Number: 180746