

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Brian J. Herting</td> <td>11/06/2008</td> </tr> <tr> <td>James B. West</td> <td>11/06/2008</td> </tr> <tr> <td>Wajih A. ElSallal</td> <td>11/06/2008</td> </tr> <tr> <td>John C. Mather</td> <td>11/11/2008</td> </tr> <tr> <td>Bret W. Spars</td> <td>11/11/2008</td> </tr> <tr> <td>Daniel L. Woodell</td> <td>11/21/2008</td> </tr> </tbody> </table>		Name	Execution Date	Brian J. Herting	11/06/2008	James B. West	11/06/2008	Wajih A. ElSallal	11/06/2008	John C. Mather	11/11/2008	Bret W. Spars	11/11/2008	Daniel L. Woodell	11/21/2008
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Rockwell Collins, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>400 Collins Road NE</td> </tr> <tr> <td>Internal Address:</td> <td>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 Road NE	Internal Address:	M/S 124-323	City:	Cedar Rapids	State/Country:	IOWA	Postal Code:	52498		
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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>13330515</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13330515										
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Application Number:	13330515														
CORRESPONDENCE DATA															
Fax Number:	(319)295-8777														
Phone:	319-295-8280														
Email:	skmathew@rockwellcollins.com, csimpson@foley.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	ROCKWELL COLLINS, INC. INTELLECTUAL PROP														
Address Line 1:	400 COLLINS ROAD NE														
Address Line 2:	M/S 124-323														
Address Line 4:	CEDAR RAPIDS, IOWA 52498														

OP \$40.00 13330515

ATTORNEY DOCKET NUMBER:	08CR328D/KE (047141-0833)
NAME OF SUBMITTER:	Karl F. Reichenberger
<p>Total Attachments: 5</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p> <p>source=Assignment#page3.tif</p> <p>source=Assignment#page4.tif</p> <p>source=Assignment#page5.tif</p>	

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Rockwell Collins, Inc.
400 Collins Road NE
M/S 124-323
Cedar Rapids, Iowa 52498

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

ELECTRONICALLY SCANNED ANTENNA

as set forth in this United States Patent Application

check one ☐ executed concurrently herewith,
 ☐ executed on _____,
 ☒ Serial No. 12/211,703 Filed 09/16/2008

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) 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; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 6 day of November, 2008

Brian Herting
BRIAN J. HERTING

State of Iowa

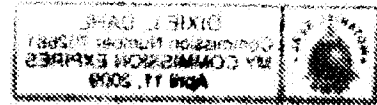
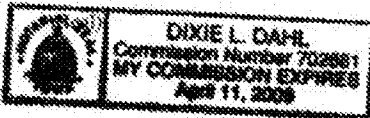
County of Linn

On this 6 day of November, 2008, before me, Dixie L. Dahl (a notary public in and for said county), personally appeared BRIAN J. HERTING, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Dixie L. Dahl

My Commission Expires: April 11, 2009



Executed this 6 day of November, 2008

James B. West
JAMES B. WEST

State of Iowa

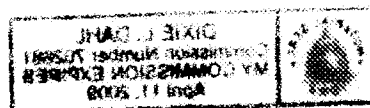
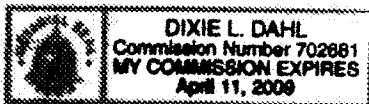
County of Linn

On this 6 day of November, 2008, before me, Dixie L. Dahl (a notary public in and for said county), personally appeared JAMES B. WEST, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

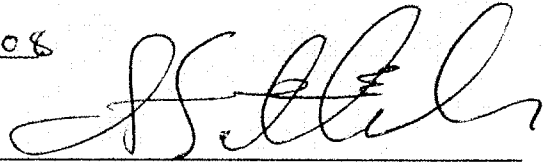
WITNESS my hand and official seal.

Signature Dixie L. Dahl

My Commission Expires: April 11, 2009



Executed this 6 day of November, 2008



WAJIH A. ELSALLAL

State of Iowa

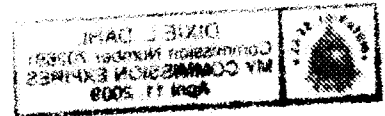
County of Linn

On this 6 day of November, 2008, before me, Dixie L. Dahl (a notary public in and for said county), personally appeared WAJIH A. ELSALLAL, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

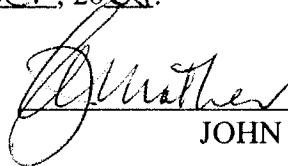
WITNESS my hand and official seal.

Signature Dixie L. Dahl

My Commission Expires: April 11, 2009



Executed this 11 day of November, 2008.



JOHN C. MATHER

State of Iowa

County of Linn

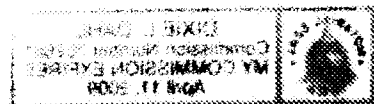
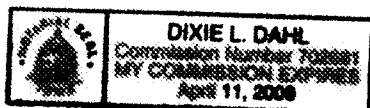
On this 11 day of November, 2008, before me, Dixie L. Dahl (a notary public in and for said county), personally appeared JOHN C. MATHER, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Dixie L. Dahl

My Commission Expires: April 11, 2009

(Seal)



Executed this 11 day of November, 2008.


BRET W. SPARS

State of Iowa)

County of Linn)

On this 11 day of November, 2008, before me, Dixie L. DAHL (a notary public in and for said county), personally appeared BRET W. SPARS, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Dixie L. Dahl

My Commission Expires: April 11, 2009

(Seal)



Executed this 21 day of November, 2008.


DANIEL L. WOODELL

State of Iowa)

County of Linn)

On this 21 day of November, 2008, before me, DIXIE L. DAHL (a notary public in and for said county), personally appeared DANIEL L. WOODELL, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Dixie L. Dahl

My Commission Expires: April 11, 2009

(Seal)

