

10-14-2008

U.S. PTO

12/284787

09/25/2008



To the Honorable Commissioner of Patents and

103529509

cument.

1. Name of conveying party(ies):

Patrick D. McCusker, Sarah Barber, Felix B. Turcios, Douglas A. Bell, Richard D. Jenkins, Timothy J. Etherington, Michael J. Krenz and Charles B. Dirks

08CR134/KE

Additional names(s) of conveying party(ies) attached

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other

Execution Date: 9/25/08, 9/24/08, 09/25/08, 09/25/08, 9/25/08, 9/25/08, 9/25/08

2. Name and address of receiving party(ies):

Name: Rockwell Collins, Inc.

Street Address: 400 Collins Rd. NE

City: Cedar Rapids State: IA Zip: 52498

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: September 25, 2008

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Nathan O. Jensen

Internal Address: Patent Department 124-323

Street Address: 400 Collins Rd. NE

City: Cedar Rapids State: IA 52498

6. Total number of applications and patents involved 1

7. Total Fee (37 CFR 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit Account Number: 18-1722

(Attach duplicate copy 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.

Nathan O. Jensen, Reg. #41,460

Name of Person Signing

Nathan O. Jensen

Signature

10/10/2008 DBYRNE

September 25, 2008

12284787

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40.00

Total number of pages comprising cover sheet [1]

Mail documents to be recorded with required cover sheet information to:

COMMISSIONER OF PATENTS AND TRADEMARKS

MAIL STOP ASSIGNMENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

PATENT

REEL: 021678 FRAME: 0554

ASSIGNMENT OF INVENTION

WHEREAS, **Patrick D. McCusker**, of **Walker**, County of **Linn**, and State of **Iowa**, and **Sarah Barber**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**, and **Felix B. Turcios**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**, and **Douglas A. Bell**, of **Marion**, County of **Linn**, and State of **Iowa**, and **Richard D. Jenkins**, of **Rewey**, and State of **Wisconsin**, and **Timothy J. Etherington**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**, and **Michael J. Krenz**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**, and **Charles B. Dirks**, of **Swisher**, County of **Linn**, and State of **Iowa**; and hereinafter sometimes referred to as the "inventors", have invented jointly certain new and useful improvements in

**System Supporting Flight Operations Under Instrument
Meteorological Conditions Using Precision Course Guidance**

which invention or inventions (hereinafter referred to as the "invention") have been disclosed to and filed, under Docket No. **08CR134/KE**, in the patent files of the inventors' employer, **ROCKWELL COLLINS, INC.**, and which invention is covered by a patent application filed herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventors have 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 inventors had this Assignment and sale not been made.

FURTHER, said inventors hereby agree to sign all lawful papers necessary or helpful in obtaining patents, whether US 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 **25th** day of **September** **2008**.




Patrick D. McCusker **Inventor**

State of **IOWA**)
County of **LINN**)

On this **25th** day of **September**, **2008** before me personally appeared **Patrick D. McCusker**, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.





Sheila Kae Mathews - Notary Public
My Commission Expires: **02/15/2011**
My Commission No.: **155044**

PATENT
REEL: 021678 FRAME: 0555

Executed at **Cedar Rapids**, County of **Linn** and State of **Iowa**, this **24th** day of **September**,
2008.

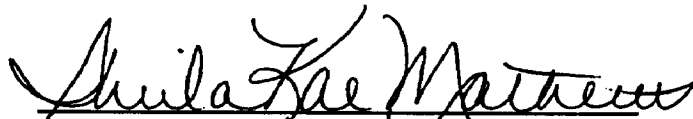


Sarah Barber **Inventor**

State of **IOWA**)
County of **LINN**)

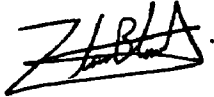
On this **24th** day of **September**, **2008** before me personally appeared **Sarah Barber**, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.





Sheila Kae Mathews - Notary Public
My Commission Expires: 02/15/2011
My Commission No.: 155044


Executed at **Cedar Rapids**, County of **Linn** and State of **Iowa**, this **25th** day of **September**,
2008.



Felix B. Turcios Inventor

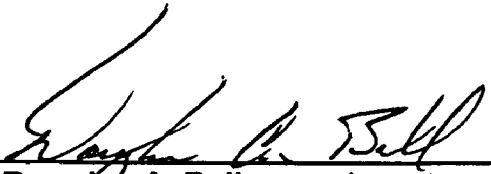
State of IOWA)
County of LINN)

On this **25th** day of **September**, **2008** before me personally appeared **Felix B. Turcios**, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Sheila Kae Mathews - Notary Public
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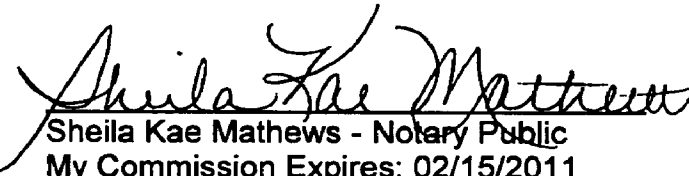


Douglas A. Bell **Inventor**

State of **IOWA**)
County of **LINN**)

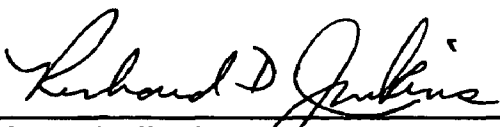
On this **25th** day of **September**, **2008** before me personally appeared **Douglas A. Bell**, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.





Sheila Kae Mathews - Notary Public
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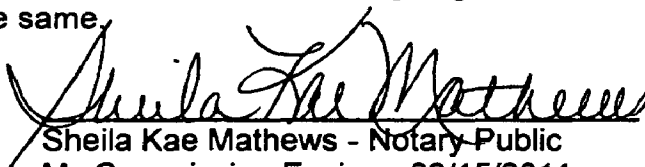


Richard D. Jenkins Inventor

State of IOWA)
County of LINN)

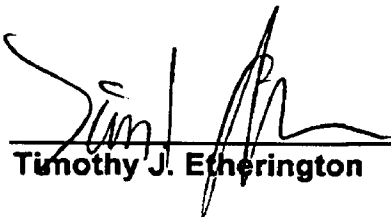
On this 25th day of September, 2008 before me personally appeared Richard D. Jenkins, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.





Sheila Kae Mathews - Notary Public
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2008.

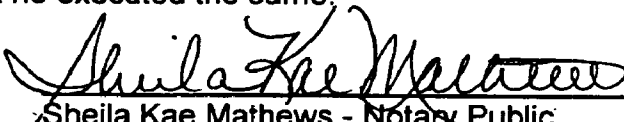


Timothy J. Etherington **Inventor**

State of **IOWA**)
County of **LINN**)

On this **25th** day of **September**, **2008** before me personally appeared **Timothy J. Etherington**, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.





Sheila Kae Mathews - Notary Public
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2008.



Michael J. Krenz Inventor

State of IOWA)
County of LINN)

On this **25th** day of **September**, **2008** before me personally appeared **Michael J. Krenz**, to
me known to be the person whose names are subscribed to the foregoing instrument, and
acknowledged to me that he executed the same.



Sheila Kae Mathews - Notary Public
My Commission Expires: 02/15/2011
My Commission No.: 155044



Docket No. 08CR134/KE
Assignment
Page 8

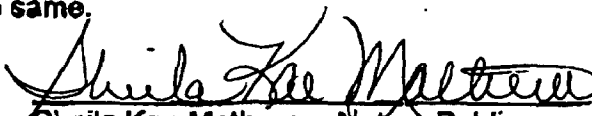
Executed at Cedar Rapids, County of Linn and State of Iowa, this 25th day of September, 2008.



Charles B. Dirks Inventor

State of IOWA)
County of LINN)

On this 25th day of September, 2008 before me personally appeared Charles B. Dirks, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Sheila Kae Mathews - Notary Public
My Commission Expires: 02/15/2011
My Commission No.: 155044

PATENT

RECORDED: 09/25/2008

REEL: 021678 FRAME: 0562