

09-26-2008

FORM PTO-1595



U.S. DEPARTMENT OF COMMERCE

1-31-92

ET

Patent and Trademark Office

103526693

PATENTS ONLY

Docket No. 08CR378/KE

9-12-08

1. Name of conveying party(ies):

Ross K. Wilcoxon
David W. Dlouhy
Nathan P. Lower
James R. Wooldridge

Additional name(s) of conveying party(ies) attached?

YES NO

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

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

Additional name(s) and Address(es) attached:?

YES NO

3. Nature of conveyance:

Assignment Merger Security Agreement
 Change of Name Other _____

Execution Date: September 11, 2008; September 11, 2008; September 11, 2008; September 11, 2008

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

Serial N^o Filed: Express Mail Label N^o: EM 210498696 US

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

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:

Customer No. 26383
Rockwell Collins, Inc.
Nathan O. Jensen
400 Collins Road, NE
M/S 124-323
Cedar Rapids, IA 52498

6. Total number of applications and patents
involved: **ONE**

7. Total fee (37 CFR 3.41) **\$ 40.00**

The Commissioner is hereby authorized to charge
the recordation fee to deposit account 19-4882.
(Attach duplicate copy of this page if paying by deposit account).

DO NOT USE THIS SPACE

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01 F016021 +6.00 DA

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.

DATE: September 12, 2008
PATENT

REEL: 021589 FRAME: 0030

ASSIGNMENT OF INVENTION

WHEREAS, Ross K. Wilcoxon, of Cedar Rapids, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

A FLEXIBLE FLOW CHANNEL FOR A MODULAR LIQUID-COOLED THERMAL SPREADER which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 08CR378/KE, 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 Cedar Rapids, County of Linn and State of Iowa, this 11th day of September, 2008.


ROSS K. WILCOXON

State of IOWA)
County of LINN)

On this 11th day of September, 2008, before me personally appeared ROSS K. WILCOXON 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: 02/15/2011
Commission Number: 155044

ASSIGNMENT OF INVENTION

WHEREAS, David W. Dlouhy, of Cedar Rapids, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

A FLEXIBLE FLOW CHANNEL FOR A MODULAR LIQUID-COOLED THERMAL SPREADER which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 08CR378/KE, 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 Cedar Rapids, County of Linn and State of Iowa, this 11th day of September, 2008.

David W. Dlouhy

DAVID W. DLOUHY

State of IOWA)
County of LINN)

On this 11th day of September, 2008, before me personally appeared DAVID W. DLOUHY to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Sheila Kae Mathews

Notary Public: Sheila Kae Mathews
My Commission Expires: 02/15/2011
Commission Number: 155044

ASSIGNMENT OF INVENTION

WHEREAS, Nathan P. Lower, of North Liberty, County of Johnson, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in **A FLEXIBLE FLOW CHANNEL FOR A MODULAR LIQUID-COOLED THERMAL SPREADER** which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 08CR378/KE, 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.

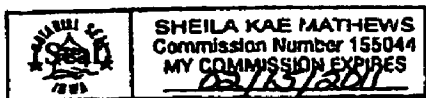
Executed at Cedar Rapids, County of Linn and State of Iowa, this 11th day of September, 2008.




NATHAN P. LOWER

State of IOWA)
County of LINN)

On this 11th day of September, 2008, before me personally appeared NATHAN P. LOWER 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: 02/15/2011
Commission Number: 155044

ASSIGNMENT OF INVENTION

WHEREAS, James R. Wooldridge, of Cedar Rapids, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in **A FLEXIBLE FLOW CHANNEL FOR A MODULAR LIQUID-COOLED THERMAL SPREADER** which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 08CR378/KE, 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 Cedar Rapids, County of Linn and State of Iowa, this 11th day of September, 2008.

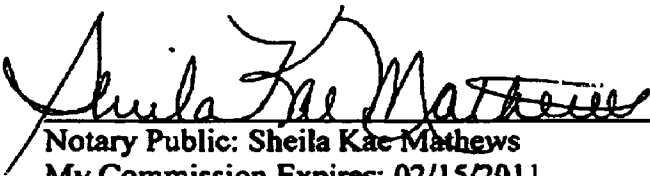


JAMES R. WOOLDRIDGE

State of IOWA)
County of LINN)

On this 11th day of September, 2008, before me personally appeared JAMES R. WOOLDRIDGE 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: 02/15/2011
Commission Number: 155044