

1-31-92

04-12-2006



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No. 05CR483/KE

103216944

4-506

1. Name of conveying party(ies):

Joel M. Wichgers
Demetri Tsamis
Terrence L. Leier
Gregory A. Arundale

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 ☒ NO113014 U.S. PTO
11/398095

040506

3. Nature of conveyance:

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

Execution Date: April 4, 2006, April 4, 2006, April 4, 2006 and April 4, 2006

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

Serial N°

Filed: April 5, 2006

Express Mail Label N°: EV 764 984 831 US

If this document is being filed together with a new application, the execution date of the application is: April 5, 2006.

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.

Kyle Eppeler
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

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.

Karl Kuenzli Bradley Reg. N° 56,389

DATE: April 5, 2006

Total number of pages including cover sheet: FOUR (4)

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ASSIGNMENT OF INVENTION

WHEREAS, Joel M. Wichgers, of Urbana, County of Benton, and State of Iowa hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in
**METHOD OF SOFTWARE DEFINED RADIO (SDR) WAVEFORM/
FUNCTION MANAGEMENT**

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 05CR483/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.

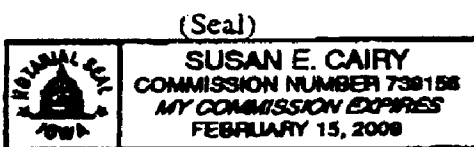
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 4th day of April, 2006.

Joel M. Wichgers
Joel M. Wichgers

State of Iowa)
County of Linn)

On this 4th day of April, 2006 before me personally appeared Joel M. Wichgers 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: Susan E. Cairy
My Commission Expires: 2-15-09
Commission Number: 739156

ASSIGNMENT OF INVENTION

WHEREAS, Demetri Tsamis, 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
**METHOD OF SOFTWARE DEFINED RADIO (SDR) WAVEFORM/
FUNCTION MANAGEMENT**

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 05CR483/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 CEGAR RAPIDS, County of LINN and State of IOWA, this 4TH day of APRIL, 2006


Demetri Tsamis

State of Iowa)
County of Linn)

On this 4th day of April, 2006 before me personally appeared Demetri Tsamis 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: Susan E. Cairry
My Commission Expires: 2-15-09
Commission Number: 739156

ASSIGNMENT OF INVENTION

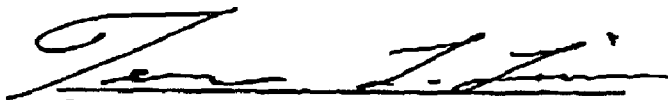
WHEREAS, Terrence L. Leier, of Marion, County of LINN, and State of Iowa hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in
METHOD OF SOFTWARE DEFINED RADIO (SDR) WAVEFORM/
FUNCTION MANAGEMENT

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 05CR483/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.

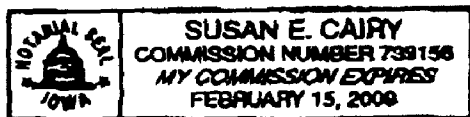
Executed at Cedar Rapids, County of LINN and State of Iowa, this 4th day of APRIL, 2006.


Terrence L. Leier

State of Iowa)
County of Linn)

On this 4th day of April, 2006, before me personally appeared Terrence L. Leier 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: Susan E. Cairry
My Commission Expires: 2-15-09
Commission Number: 739156

ASSIGNMENT OF INVENTION


WHEREAS, Gregory A. Arundale, of Marion, County of Linn, and State of Iowa hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in
METHOD OF SOFTWARE DEFINED RADIO (SDR) WAVEFORM/
FUNCTION MANAGEMENT

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 05CR483/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 4th day of April, 2006.

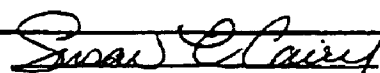

Gregory A. Arundale

State of Iowa)
County of Linn)

On this 4th day of April, 2006, before me personally appeared Gregory A. Arundale 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: 
My Commission Expires: 2-15-09
Commission Number: 739156

TOTAL P.07

RECORDED: 04/05/2006

PATENT
REEL: 017765 FRAME: 0946