

FORM PTO-1595

U.S. PTO

10-11-2007

U.S. DEPARTMENT OF COMMERCE

1-31-92

11/904709



Patent and Trademark Office

09/28/2007

Docket No. 07CR353/KE

103451917

## 1. Name of conveying party(ies):

Mark K. Yu  
Chenggang Xie

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 27, 2007; September 27, 2007

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

Serial N°

Filed: September 28, 2007

Express Mail Label N°: EM 005739120US

If this document is being filed together with a new application, the execution date of the application is: September 28, 2007.

## A. Patent Application No.(s)

## B. Patent No.(s)

Additional numbers attached: ☐ YES ☒ NO5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Customer No. 26383

Rockwell Collins, Inc.

Kyle Eppele  
400 Collins Road, NE  
M/S 124-323  
Cedar Rapids, IA 524986. 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).10/10/2007 DBYRNE 00000199 194882 11904709  
01 FC:8021 40.00 DA

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.  
Indhira A. LaPuma Reg. N° 58370

DATE: September 28, 2007

Total number of pages including cover sheet: ONE (1)

ASSIGNMENT OF INVENTION

WHEREAS, Mark Y. Yu, of Coralville, County of Johnson, and State of Iowa hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

GaN BASED DIGITAL CONTROLLED BROADBAND MMIC POWER AMPLIFIER

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 07CR353/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.

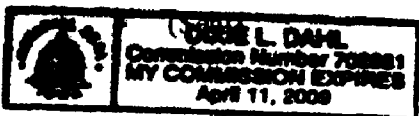
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids County of Linn and State of Iowa, this 27 day of September 2007

Mark K. Yu  
MARK K. YU

State of Iowa )  
County of LINN )

On this 27 day of September, 2007, before me personally appeared MARK K. YU to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Dixie L. Dahl  
Notary Public: DIXIE L. DAHL  
My Commission Expires: APRIL 11, 2009  
Commission Number: 702681

# ASSIGNMENT OF INVENTION

WHEREAS, Chenggang Xie, of Phoenix, County of Maricopa, and State of Arizona hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

## GaN BASED DIGITAL CONTROLLED BROADBAND MMIC POWER AMPLIFIER

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 07CR353/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 Phoenix, County of Maricopa and State of Arizona, this 27 day of Sept, 2007

Chenggang Xie  
CHENGGANG XIE

State of Arizona )  
County of Maricopa )

On this 27 day of September, 2007, before me personally appeared CHENGGANG XIE 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)

 **DAVID BAROCAS**  
NOTARY PUBLIC - ARIZONA  
MARICOPA COUNTY  
My Commission Expires  
February 11, 2011

David Barocas  
Notary Public: David Barocas  
My Commission Expires: 2-11-11  
Commission Number: N/A