#### 502580028 11/22/2013

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2626043

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BRADLEY J. KOEHLER	11/21/2013
SARAH A. MILLER	11/21/2013
MATTHEW J. PODUSKA	11/21/2013
RYAN J. COPPA	11/21/2013
TYLER T. KARRELS	11/21/2013

#### **RECEIVING PARTY DATA**

Name:	ROCKWELL COLLINS, INC.
Street Address:	400 COLLINS RD. NE
Internal Address:	ATTN: INTELLECTUAL PROPERTY DEPT, M/S 124-323
City:	CEDAR RAPIDS
State/Country:	IOWA
Postal Code:	52498

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14087755

#### CORRESPONDENCE DATA

Fax Number: (319)295-8777 319-295-8280 Phone:

Email: skmathew@rockwellcollins.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: ROCKWELL COLLINS, INC. INTELLECTUAL PROP

400 COLLINS ROAD NE Address Line 1:

M/S 124-323 Address Line 2:

Address Line 4: CEDAR RAPIDS, IOWA 52498

ATTORNEY DOCKET NUMBER: 13CR667

REEL: 031660 FRAME: 0964

**PATENT** 

502580028

NAME OF SUBMITTER:	MIAO LIU
Signature:	/miao liu/
Date:	11/22/2013
Total Attachments: 5 source=13CR667_Assignment#page1.tif source=13CR667_Assignment#page2.tif source=13CR667_Assignment#page3.tif source=13CR667_Assignment#page4.tif source=13CR667_Assignment#page5.tif	

WHEREAS, Bradley J. Koehler, of Minnetonka, County of <u>Menepin</u>, and State of Minnesota, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

### SIGNAL EXTENDER FOR SATELLITE COMMUNICATIONS SYSTEM

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 13CR667, 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.

continuation, substitution, or reissue application on said invention,	
Executed at Lear Reside , County of Line	and
State of Jovenhee, this 2 day of November, 20/3.	
Cal Hell	***************************************
Bradley J. Koehler	
company of the same of the sam	

State of Java
County of Zong

On this <u>Al</u> day of <u>I remailed</u>, 20/3, before me personally appeared Bradley J. Koehler to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

-80	SHELLEY FRONDLE	
	Notakeliškai - laka	8000
4	~~~:::::::::::::::::::::::::::::::::::	8
1 min	Commission Expires 4-19-2012	₹ \$

Notary Public: Wally Ford Wy Commission Expires: 4-10-2012 Commission Number: 127/92

WHEREAS, Sarah A. Miller, of Cedar Rapids, County of <u>Lazza</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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Executed at	War Kapus	, County of <u>Lan</u>	and
State of <u>lowa</u>	, this <u>2/</u> day	of Normkey , 2013.	
		SashAM	
		Sarah A. Miller	
State of Journal Country of	<u>^</u> }		
On this <u>2/</u> d	ay of <u>Thorankes</u>	, 20 <u>/3</u> , before me personi	ally appeared
		in whose name is subscribed to r	
	/ledged to me that he e		
SHELLEY FRONC Notan <b>538</b> + 1: Commission # 13 My Commission Expires	Note Note	ary Public: 2/4/5/ Commission Expires: 2/2	
My Commission Expires	4-12-2011c ( CON	nmission Number:	<del>ar</del>

WHEREAS, Matthew J. Poduska, of Mount Vernon, County of Aire, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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Executed at Ash Regula	County of A 4
State of June . this 2	day of 7) orendeer 2018
	Matthew J. Poduska
State of Jove (	么
	he person whose name is subscribed to the foregoing
instrument, and acknowledged to me that	
SHELLEY FRONDLE  NOI <b>PT</b> ELES FRONDLE  Commission # 139198  My Commission Expires HHD-ZOLL	Notary Public: ジンピック パッペート My Commission Expires: ゲール・ネッパ Commission Number: ブラフラム

WHEREAS, Ryan J. Coppa, of Cedar Rapids, County of <u>Virol</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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concumation, amanimitally of t	eissue application on said invention.	
$\sim$	Regards County of Line	and
State of	, this <u>21</u> day of <u>Threndau</u> , 20 <u>13</u> .	
	E.S.	
	Ryan J. Coppa	
State of Annual County of		

On this <u>Jorenchelz</u>, 20/2, before me personally appeared Ryan J. Coppa to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

SHELLEY FRONDLE

Nototral Soli - lowa

Commission # 139796

My Commission Expires 1-12-2216

Notary Public: <u>Mellily Janually</u> My Commission Expires: 4-10-2016 Commission Number: 39196

WHEREAS, Tyler T. Karrels, of Cedar Rapids, County of <u>Linn</u>, and State of lowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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Executed at <u>Cedar Rapids</u> , count	ty of Lir	<u>L</u> and
State of $10\omega\alpha$ , this $\lambda$ day of $\Lambda$	lovember	, 20_13.
	Tylu	Voule-
	Tyler T. Ki	arrels
State of Journal ) County of Jana )		
On this <u>al</u> day of <u>November</u>	, 20 <u>13</u> , before	e me personaliv anneared
Tyler T. Karrels to me known to be the person whos	se name is sul	oscribed to the foregoing
SHELLEY FRONDLE Notary Public Commission Script 4-10 2015 My Commission Script 4-10 2015 My Commission Script 4-10 2015	i the same. lic:	Uly Trongle- 139196

PATENT REEL: 031660 FRAME: 0970

**RECORDED:** 11/22/2013