PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT			
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Application Number previously recorded on Reel 026603 Frame 0958. Assignor(s) hereby confirms the correct Application Number is 12669738, not 12667738.			

CONVEYING PARTY DATA

Name	Execution Date		
ANTONY DUNCAN CRAIG	01/15/2009		
SIMON JOHN STIRLAND	01/15/2009		

RECEIVING PARTY DATA

Name:	ASTRIUM LIMITED				
Street Address:	GUNNELS WOOD ROAD				
Internal Address:	STEVENAGE				
City:	HERTFORDSHIRE				
State/Country:	UNITED KINGDOM				
Postal Code:	SG1 2AS				

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12669738

CORRESPONDENCE DATA

Fax Number: (646)878-0801

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 646-878-0800

Email: USPTO@pczlaw.com

Correspondent Name: Pearl Cohen Zedek Latzer, LLP

Address Line 1: 1500 Broadway
Address Line 2: 12th Floor

Address Line 4: New York, NEW YORK 10036

ATTORNEY DOCKET NUMBER: P-73773-US

NAME OF SUBMITTER: SARAH MILEWSKI

PATENT

REEL: 026610 FRAME: 0136

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Total Attachments: 6

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> PATENT REEL: 026610 FRAME: 0137

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TO:PEARL COHEN ZEDEK LATZER, LLP COMPANY:1500 BROADWAY

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SUBMISSION TYPE	·	NEW ASSIGNMENT			
NATURE OF CONVE	EYANCE:	ASSIGNMENT			
CONVEYING PART	Y DATA				
		Name	Execution Date		
ANTONY DUNCAN	CRAIG		01/15/2009		
SIMON JOHN STIR	LAND		01/15/2009		
RECEIVING PARTY	DATA			vito (1.0 (1.0 (1.0 (1.0 (1.0 (1.0 (1.0 (1.0	
Name:	ASTRIUM LIMITE	D			
Street Address:	GUNNELS WOOD	ROAD			
Internal Address:	STEVENAGE				
City:	HERTFORDSHIRI				
State/Country:	UNITED KINGDOM				
Postal Code:	SG1 2AS				
PROPERTY NUMBE	RS Total: 1				
Property	Туре	Number			
Application Number	: 126	67738			
CORRESPONDENC					
Fax Number:	646)878-080 He sept via US Mail w	n then the fax attempt is unsuccessful.			
Phone:	646-878-080	r e			
Email:	USPTO@pcz	zlaw.com			
Correspondent Name: Pearl Cohen Zedek Latzer, LEP					
Address Line 1: 1500 Broadway					
Address Line 2: 12th Floor Address Line 4: New York, NEW YORK 10036					
ATTORNEY DOCKET NUMBER: P-73773-US					
NAME OF SUBMITT	ER:	SARAH MILEWSKI			
	-SIGNED-Assignment# -SIGNED-Assignment#	· ·			

PATENT REEL: 026610 FRAME: 0138

Docket No.:

P-73773-US

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the Receipt of which is hereby acknowledged, I the undersigned,

CRAIG, Antony Duncan, residing at Astrium Limited, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2AS, United Kingdom; and STIRLAND, Simon John, residing at Astrium Limited, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2AS, United Kingdom;

Hereby sell, assign and transfer to ASTRIUM LIMITED, a British company located at Gunnels Wood Road, Stevenage, Hertfordshire SG1 2AS, United Kingdom, its successors, assigns and legal representatives (hereinafter, the "Assignee"), the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in the application for United States Patent U.S. Serial No. (12/669,738) filed (January 19, 2010) and being entitled: SYSTEM FOR SIMPLIFICATION OF RECONFIGURABLE BEAM-FORMING NETWORK PROCESSING WITHIN A PHASED ARRAY ANTENNA FOR A TELECOMMUNICATIONS SATELLITE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions. I hereby authorize and request the attorney of record of the firm Pearl Cohen Zedek Latzer, LLP, 1500 Broadway, 12th Floor, New York, New York 10036, to insert in the parentheses above, the filing date and US Serial No. of said application when known;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United

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States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

FULL NAME OF WITNESS:

CRAIG, Antony Duncan	SAMANTHA HARRISON					
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:					
A. Dlows	S.Hamson					
	ADDRESS OF WITNESS: Astrium Limited, Gunnels					
DATE: 13 Jan 2005	Wood Road, Stevenage, Hertfordshire, SG1 2AS,					
(day / month / year)	United Kingdom					
FULL NAME OF INVENTOR: STIRLAND, Simon John	FULL NAME OF WITNESS: SAMANTHA HARRISON					
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:					
S.J. Bland	S. Harrison					
- 1	ADDRESS OF WITNESS: Astrium Limited, Gunnels					
DATE: 15 Jan 2009,	Wood Road, Stevenage, Hertfordshire, SG1 2AS,					
(day / month / year)	United Kingdom					

FULL NAME OF INVENTOR: