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PATENT A

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:		Corrective Assignment to correct the Assignee previously recorded on Reel 027422 Frame 0633. Assignor(s) hereby confirms the <b>Merger</b>
CONVEYING PARTY DATA		
Name		Execution Date
BigBand Networks, Inc.		12/31/2011
RECEIVING PARTY DATA		
Name:	ARRIS Solutions, Inc.	
Street Address:	3871 Lakefield Drive	
Internal Address:	Legal Dept	
City:	Suwanee	
State/Country:	GEORGIA	
Postal Code:	30024	
PROPERTY NUMBERS Total: 50		
Property Type	Number	
Patent Number:	6826195	
Patent Number:	7237251	
Patent Number:	6611526	
Patent Number:	6853680	
Patent Number:	6434141	
Patent Number:	7451475	
Patent Number:	7068716	
Patent Number:	7660328	
Patent Number:	7187697	
Patent Number:	6999477	
Patent Number:	6937619	
Patent Number:	7058087	
Patent Number:	7181759	

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Patent Number:	6999477
Patent Number:	6937619
Patent Number:	7058087
Patent Number:	7181759
Patent Number:	6914936
Patent Number:	6813270
Patent Number:	6873195
Patent Number:	7031301
Patent Number:	7120142
Patent Number:	7113502
Patent Number:	6754085
Patent Number:	6632008
Patent Number:	6674804
Patent Number:	7184433
Patent Number:	7031259
Patent Number:	6879641
Patent Number:	7797439
Patent Number:	7535888
Patent Number:	7471639
Patent Number:	7397822
Patent Number:	7280479
Patent Number:	7764863
Patent Number:	8036250
Patent Number:	8000475
Patent Number:	7267568
Patent Number:	7366239
Patent Number:	8068516
Patent Number:	7151782
Patent Number:	7653090
Patent Number:	7676720
Patent Number:	7395321

Assignment

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Patent Number:	8081657
Patent Number:	7844015
Patent Number:	7971215
Patent Number:	7831729
Patent Number:	7986702
Application Number:	11200754
Application Number:	11380363
Application Number:	12503086
Application Number:	13270877
Application Number:	61422231

**CORRESPONDENCE DATA**

Fax Number: (678)473-8095  
Phone: 678-473-8593  
Email: denise.motley@arrisi.com  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: ARRIS Group, Inc.  
Address Line 1: 3871 Lakefield Drive  
Address Line 2: Legal Dept  
Address Line 4: Suwanee, GEORGIA 30024

ATTORNEY DOCKET NUMBER:	BBND ASSIGN - LEGAL
NAME OF SUBMITTER:	Denise Motley
Signature:	/Denise Motley/
Date:	03/07/2012

Total Attachments: 5  
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**RECEIPT INFORMATION**

EPAS ID: PAT1878680

Assignment

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Receipt Date:	03/07/2012
Fee Amount:	\$2000

<b>PATENT ASSIGNMENT</b>
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Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	11/21/2011
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BigBand Networks, Inc.	10/10/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARRIS Group, Inc.
<b>Street Address:</b>	3871 Lakefield Drive
<b>Internal Address:</b>	Legal Dept
<b>City:</b>	Suwanee
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30024
<b>PROPERTY NUMBERS Total: 50</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8036250
Application Number:	13270877
Application Number:	61422231
Patent Number:	8068516
Patent Number:	8081657
Patent Number:	6434141
Patent Number:	7451475
Patent Number:	6999477
Patent Number:	7181759

Patent Number:	6813270
Patent Number:	7184433
Patent Number:	7031259
Patent Number:	7787439
Patent Number:	7535888
Patent Number:	7031301
Patent Number:	7120142
Patent Number:	7113502
Patent Number:	6826195
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Patent Number:	7151782
Patent Number:	7653090
Patent Number:	7676720
Application Number:	11200754
Application Number:	11380363
Patent Number:	7844015
Patent Number:	7971215
Patent Number:	7831729
Patent Number:	7986702
Application Number:	12503086

<b>CORRESPONDENCE DATA</b>	
Fax Number:	(678)473-8095
Phone:	678-473-8593
Email:	denise.motley@arrisi.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	ARRIS Group, Inc.
Address Line 1:	3871 Lakefield Drive
Address Line 2:	Legal Dept
Address Line 4:	Suwanee, GEORGIA 30024

ATTORNEY DOCKET NUMBER:	LEGAL - BIGBAND ASSIGN
NAME OF SUBMITTER:	Denise Motley
Signature:	/Denise Motley/
Date:	12/20/2011

<b>Total Attachments: 16</b> source=111010 BigBand - Agreement and Plan of Merger Redacted#page1.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page2.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page3.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page4.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page5.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page6.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page7.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page8.tif source=111010 BigBand - Agreement and Plan of Merger Redacted#page9.tif	
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Assignment

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**RECEIPT INFORMATION**

EPAS ID: PAT1795307  
Receipt Date: 12/20/2011  
Fee Amount: \$2000



# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"BIGBAND NETWORKS, INC.", A DELAWARE CORPORATION,  
WITH AND INTO "ARRIS SOLUTIONS, INC." UNDER THE NAME OF "ARRIS SOLUTIONS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTIETH DAY OF DECEMBER, A.D. 2011, AT 5:19 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2011, AT 11:59 O'CLOCK P.M.


A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

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You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 9252672

DATE: 12-23-11

PATENT  
REEL: 028226 FRAME: 0281

State of Delaware  
 Secretary of State  
 Division of Corporations  
 Delivered 05:19 PM 12/20/2011  
 FILED 05:19 PM 12/20/2011  
 SRV 111317569 - 4469069 FILE

**CERTIFICATE OF MERGER  
 OF  
 BIGBAND NETWORKS, INC.  
 WITH AND INTO  
 ARRIS SOLUTIONS, INC.**

**December 20, 2011**

Pursuant to Title 8, Section 251 of the Delaware General Corporation Law (the "DGCL"), the undersigned does hereby certify that:

**FIRST:** The name and state of incorporation of each of the constituent corporations of the merger are as follows:

<u>Name</u>	<u>State of Incorporation</u>
BigBand Networks, Inc.	Delaware
ARRIS Solutions, Inc.	Delaware

**SECOND:** An Agreement and Plan of Merger, dated as of December 19, 2011 (the "Agreement"), by and between ARRIS Solutions, Inc., a Delaware corporation ("ASI"), and BigBand Networks, Inc., a Delaware corporation ("BigBand"), pursuant to which BigBand will merge with and into ASI with ASI continuing as the surviving corporation in such merger, was approved, adopted, executed and acknowledged by each of the constituent corporations in accordance with the requirements of Section 251 of the DGCL.

**THIRD:** The name of the surviving corporation, which shall be a Delaware corporation, is "ARRIS Solutions, Inc."

**FOURTH:** The Certificate of Incorporation of the surviving corporation shall be amended and restated at the effective time of the merger to read in its entirety as set forth in Attachment A to this Certificate of Merger.

**FIFTH:** The executed Agreement is on file at the principal place of business of the surviving corporation, the address of which is 3871 Lakefield Drive, Suwanee, Georgia 30024.

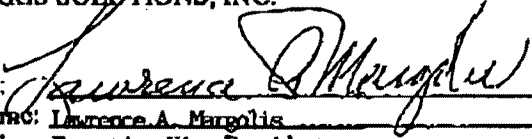
**SIXTH:** A copy of the Agreement will be furnished by the surviving corporation, on request and without cost, to any stockholder of any of the constituent corporations.

**SEVENTH:** The merger shall become effective at 11:59 p.m. Eastern Time on December 31, 2011.

\*\*\*\*\*

**IN WITNESS WHEREOF**, said surviving corporation has caused this Certificate of Merger to be executed by its duly authorized officer as of the date first written above.

ARRIS SOLUTIONS, INC.

By:   
Name: Lawrence A. Margolis  
Title: Executive Vice President

Attachment A**CERTIFICATE OF INCORPORATION  
OF  
ARRIS SOLUTIONS, INC.****ARTICLE I**

The name of the Corporation is ARRIS Solutions, Inc. (hereinafter, the "Corporation").

**ARTICLE II**

The address of the Corporation's registered office in the State of Delaware is 1209 Orange Street, in the City of Wilmington, County of New Castle, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.

**ARTICLE III**

The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under General Corporation Law of the State of Delaware (the "DGCL").

**ARTICLE IV**

The total number of shares of stock which the Corporation shall have authority to issue is one million (1,000,000) shares of common stock, par value \$.01 per share.

**ARTICLE V**

The Corporation is to have perpetual existence.

**ARTICLE VI**

1. The business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors. In addition to the powers and authority expressly conferred upon them by statute or by this Certificate of Incorporation or the Bylaws of the Corporation, the directors are hereby empowered to exercise all such powers and do all such acts and things as may be exercised or done by the Corporation.

2. In furtherance and not in limitation of the powers conferred by statute, the Board of Directors is expressly authorized to adopt, amend, alter or repeal the Bylaws of the Corporation. The affirmative vote of at least a majority of the Board of Directors then in office shall be required in order for the Board of Directors to adopt, amend, alter or repeal the Corporation's Bylaws.

3. Elections of directors need not be by written ballot unless the Bylaws of the Corporation shall so provide.

## ARTICLE VII

1. To the fullest extent permitted by the DGCL as the same exists or as may hereafter be amended, a director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director. If the DGCL is amended to authorize corporate action further eliminating or limiting the personal liability of directors, then the liability of a director of the Corporation shall be eliminated to the fullest extent permitted by the DGCL, as so amended.

2. The Corporation shall indemnify, to the fullest extent permitted by applicable law, any director or officer of the Corporation who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (a "Proceeding") by reason of the fact that he or she is or was a director, officer, employee or agent of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, including service with respect to employee benefit plans, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with any such Proceeding. The Corporation shall be required to indemnify a person in connection with a Proceeding initiated by such person only if the Proceeding was authorized by the Board.

3. The Corporation shall have the power to indemnify, to the extent permitted by the DGCL, as it presently exists or may hereafter be amended from time to time, any employee or agent of the Corporation who was or is a party or is threatened to be made a party to any Proceeding by reason of the fact that he or she is or was a director, officer, employee or agent of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, including service with respect to employee benefit plans, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with any such Proceeding.

4. Neither any amendment or repeal of any Section of this Article VII, nor the adoption of any provision of this Certificate of Incorporation inconsistent with this Article VII, shall eliminate or reduce the effect of this Article VII, in respect of any matter occurring, or any action or proceeding accruing or arising or that, but for this Article VII, would accrue or arise, prior to such amendment, repeal or adoption of an inconsistent provision.

## ARTICLE VIII

The Corporation reserves the right to amend, alter, change or repeal any provision contained in this Certificate of Incorporation in the manner now or hereafter prescribed by the laws of the State of Delaware, and all rights conferred upon stockholders herein are granted subject to this reservation.

PATENT