

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3096473

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIK J. ELSTERMANN	11/03/2014
MICHAEL A. CASTELOES	11/05/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARRIS Enterprises, Inc.
<b>Street Address:</b>	3871 Lakefield Drive
<b>Internal Address:</b>	
<b>City:</b>	Suwanee
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30024
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14534141
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(678)473-8095
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<b>Phone:</b>	(678)473-8697
<b>Email:</b>	arrisdocketing@arrisi.com
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<b>Address Line 4:</b>	SUWANEE, GEORGIA 30024
<b>ATTORNEY DOCKET NUMBER:</b>	ARRH0022
<b>NAME OF SUBMITTER:</b>	THOMAS A. WARD
<b>SIGNATURE:</b>	/Thomas A. Ward/
<b>DATE SIGNED:</b>	11/05/2014
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

WHEREAS we, Erik J. Elstermann, Michael A. Casteloes, (hereinafter collectively referred to as ASSIGNOR), have invented certain inventions and improvements entitled "DISSEMINATING PROGRAM CONTENT VIA ALTERNATIVE NETWORKS" disclosed in Patent Disclosure Number 65968, and we hereby authorize and request a designated attorney associated with Customer No. 21924, to insert here in parentheses (Application Number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known; as filed in the United States Patent and Trademark Office ; and,

WHEREAS, ARRIS Enterprises, Inc., a corporation formed under the laws of Delaware, having a principal place of business at 3871 Lakefield Drive, Suwanee, Georgia 30024 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to, and under said invention and the United States Letters Patent to be obtained therefore:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefore on said patent application, design patent application, or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, or reissue thereof and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world for said invention for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNOR will promptly provide ASSIGNEE, upon its request, with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and

enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

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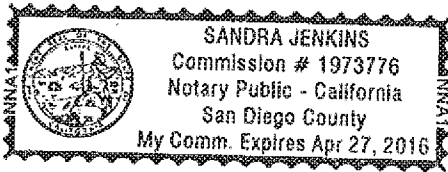
Date

Erik J. Elstermann  
Erik J. Elstermann

State of California )  
County of San Diego )ss

On Nov. 3, 2014, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public  
personally appeared Erik J. Elstermann  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Sandra Jenkins  
Signature of Notary Public

Place Notary Seal Above

11/5/14

Date

Michael A. Castelos

Michael A. Castelos

State of California )  
County of San Diego )ss

On Nov. 5, 2014, before me, Sandra Jenkins, Notary Public

Date

Name of Notary Public

personally appeared

Michael A. Castelos

Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

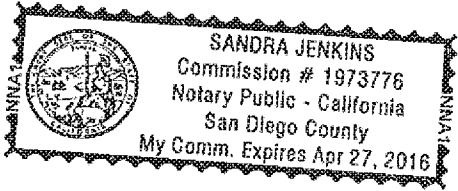
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Signature of Notary Public

Sandra Jenkins



Place Notary Seal Above