

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BENEDITO J. FONSECA JR.	01/12/2017
VENUGOPAL VASUDEVAN	02/06/2017
FAISAL ISHTIAQ	01/12/2017
ANTHONY J. BRASKICH	01/12/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARRIS ENTERPRISES LLC
<b>Street Address:</b>	3871 LAKEFIELD DRIVE
<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>
<b>Application Number:</b>	15394276
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>Address Line 1:</b>	101 TOURNAMENT DRIVE
<b>Address Line 4:</b>	HORSHAM, PENNSYLVANIA 19044
<b>ATTORNEY DOCKET NUMBER:</b>	ARR00768
<b>NAME OF SUBMITTER:</b>	STEWART M. WIENER
<b>SIGNATURE:</b>	/Stewart M. Wiener/
<b>DATE SIGNED:</b>	02/22/2017
<b>Total Attachments: 5</b>	
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ASSIGNMENT

WHEREAS we, Benedito J. Fonseca Jr, Venugopal Vasudevan, Faisal Ishtiaq, Anthony J. Braskich, (hereinafter collectively referred to as ASSIGNOR), have invented certain inventions and improvements entitled "SYSTEM TO BUILD ADVERTISEMENT DATABASE FROM UNRELIABLE SOURCES" disclosed in Patent Application Number 15394276 filed in the United States Patent and Trademark Office on December 29, 2016; and,

WHEREAS, ARRIS Enterprises LLC, a limited liability company 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.

1/12/2017  
Date

[Signature]  
Benedito J. Fonseca, Jr.

United States of America )  
State of ILLINOIS ) SS  
County of Cook )

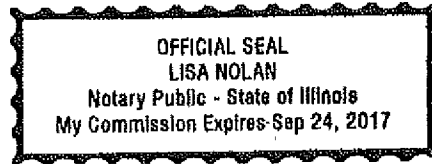
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Benedito J. Fonseca, Jr., whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 12 day of JANUARY, 2017.

My commission expires: September 24, 2017

[Signature]  
Notary Public Signature

Lisa NOLAN  
Printed Name of Notary Public



2/6/17

Date

V. Venugopal

Venugopal Vasudevan

WITNESS#1:

Joseph Allon  
Signature

DATE:

2/6/2017

Joseph Allon  
Printed

WITNESS#2:

Sheryl Skifstad  
Signature

DATE:

2/18/2017

Sheryl Skifstad  
Printed

1-12-17  
Date

*Faisal Ishtiaq*  
Faisal Ishtiaq

United States of America )  
State of ILLINOIS ) SS  
County of COOK )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Faisal Ishtiaq, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 12 day of JANUARY, 2017.

My commission expires: September 24, 2017

*Lisa Nolan*  
Notary Public Signature

LISA NOLAN  
Printed Name of Notary Public



1-12-2017  
Date

Anthony J. Braskich  
Anthony J. Braskich

United States of America )  
State of ILLINOIS ) SS  
County of COOK )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Anthony J. Braskich, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 12 day of JANUARY, 2017.

My commission expires: September 24, 2017

Lisa Nolan  
Notary Public Signature

LISA NOLAN  
Printed Name of Notary Public

