

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2846948

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AYHAM AL-BANNA	05/07/2014
RECEIVING PARTY DATA	
Name:	ARRIS Enterprises, Inc.
Street Address:	3871 Lakefield Drive
Internal Address:	
City:	Suwannee
State/Country:	GEORGIA
Postal Code:	30024
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14200254
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(678)473-8697
Email:	arrisdocketing@arrisi.com
Correspondent Name:	ARRIS GROUP, INC,
Address Line 1:	3871 LAKEFIELD DRIVE
Address Line 4:	SUWANEE, GEORGIA 30024
ATTORNEY DOCKET NUMBER:	7281
NAME OF SUBMITTER:	BART A. PERKINS
SIGNATURE:	/Bart A. Perkins/
DATE SIGNED:	05/08/2014
Total Attachments: 2	
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ASSIGNMENT

WHEREAS I, Ayham Al-Banna (hereinafter collectively referred to as ASSIGNOR), have invented certain inventions and improvements entitled "**Identifying Wideband Impulse Noise using a Group of Small Channels**" disclosed in Patent Application Number 14/200254 filed in the United States Patent and Trademark Office on March 7, 2014; 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.

05.07.2014
Date

Ayham Al-Banna
Ayham Al-Banna

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 **Ayham Al-Banna**, 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 7 day of May, 2014.

My commission expires: September 24, 2017

[Signature]
Notary Public Signature

LISA NOLAN
Printed Name of Notary Public

