503225947 03/19/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3272564

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| ALBERT F. ELCOCK | 03/19/2015 |
| CHRISTOPHER S. DELSORDO | 03/17/2015 |

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: | 14662485 |

CORRESPONDENCE DATA

Fax Number: (678)473-8095

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.

Phone: (678)473-8697

Email: arrisdocketing@arris.com
Correspondent Name: ARRIS GROUP, INC,
Address Line 1: 3871 LAKEFIELD DRIVE
Address Line 4: SUWANEE, GEORGIA 30024

| ATTORNEY DOCKET NUMBER: | ARR00204 | |
|-------------------------|---------------------|--|
| NAME OF SUBMITTER: | STEWART M. WIENER | |
| SIGNATURE: | /Stewart M. Wiener/ | |
| DATE SIGNED: | 03/19/2015 | |

Total Attachments: 3

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PATENT 503225947 REEL: 035203 FRAME: 0077

ASSIGNMENT

| | · · · · · · · · · · · · · · · · · · · |) the application number and filing date of said application ted States Patent and Trademark Office; and, |
|--------------|---------------------------------------|---|
| attorney as | sociated with Custon | ner No. 21924, to insert here in parentheses (Application Number |
| disclosed in | n Patent Disclosure N | umber IDFA00204, and we hereby authorize and request a designated |
| TARGETE | ED ADVERTISEME | NTS BASED ON PROFILE INFORMATION EXCHANGE" |
| ASSIGNOF | R), have invented cert | ain inventions and improvements entitled "CUSTOMIZING |
| WHEREAS | we, Albert F. Elcock | x and Christopher S. DelSordo, (hereinafter collectively referred to as |

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

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PATENT REEL: 035203 FRAME: 0078 enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

| 3-19-15 | Med Block |
|------------------------------|------------------|
| Date | Albert F. Elcock |
| United States of America |) |
| Commonwealth of Pennsylvania |) SS |
| County of Montgomery |) |

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Albert F. Elcock, 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 19th day of Mosch, 2015.

My commission expires: 11/15/16

Notary Public Signature

Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Gwen L. Bredow, Notary Public Horsham Twp., Montgomery County My Commission Expires Nov. 15, 2016

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

| 3/17/ | 2015 |
|-------|------|
| Date | |

Christopher & Del Sorda

| United States of America | |) |
|------------------------------|----|------|
| Commonwealth of Pennsylvania | |) SS |
| County of Montgomery | .• |) |

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **Christopher S. DelSordo**, 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 1 day of 10-12 lb., 2015.

| My commission expires: 11/15/16 |
|---------------------------------|
| \mathcal{H} |
| _ Iwen Z. Bredow |
| Notary Public Signature |

<u>Gwen L. Brodow</u> Printed Name of Notary Public COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Gwen L. Bredow, Notary Public Horsham Twp., Montgömery County My Commission Expires Nov. 15, 2016

My Commission expires nov. 13, 2020
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES