

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2596539

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>BENJAMIN A. ROLFE</td> <td>10/22/2013</td> </tr> <tr> <td>KUNAL PANKAJ SHAH</td> <td>10/21/2013</td> </tr> <tr> <td>JAY RAMASASTRY</td> <td>10/22/2013</td> </tr> <tr> <td>CRISTINA SEIBERT</td> <td>10/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	BENJAMIN A. ROLFE	10/22/2013	KUNAL PANKAJ SHAH	10/21/2013	JAY RAMASASTRY	10/22/2013	CRISTINA SEIBERT	10/21/2013
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BENJAMIN A. ROLFE	10/22/2013										
KUNAL PANKAJ SHAH	10/21/2013										
JAY RAMASASTRY	10/22/2013										
CRISTINA SEIBERT	10/21/2013										
RECEIVING PARTY DATA											
Name:	SILVER SPRING NETWORKS, INC.										
Street Address:	555 BROADWAY STREET										
City:	REDWOOD CITY										
State/Country:	CALIFORNIA										
Postal Code:	94063										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14061689</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14061689						
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Application Number:	14061689										
CORRESPONDENCE DATA											
Fax Number:	(713)623-4846										
Phone:	7136234844										
Email:	kneil@pattersonsheridan.com, PSDocketing@pattersonsheridan.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	PATTERSON & SHERIDAN, LLP.										
Address Line 1:	3040 POST OAK BLVD.										
Address Line 2:	SUITE 1500										
Address Line 4:	HOUSTON, TEXAS 77056										
ATTORNEY DOCKET NUMBER:	SILS/0048US2										
NAME OF SUBMITTER:	JOHN C. CAREY										

Signature:	/John C. Carey/
Date:	10/30/2013
Total Attachments: 4 source=206-US2 Signed Assignment#page1.tif source=206-US2 Signed Assignment#page2.tif source=206-US2 Signed Assignment#page3.tif source=206-US2 Signed Assignment#page4.tif	

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

**BENJAMIN A.ROLFE**, residing in  
Boulder Creek, California

**KUNAL PANKAJ SHAH**, residing in  
Mountain View, California

**JAY RAMASASTRY**, residing in  
Reno, Nevada

**CRISTINA SEIBERT**, residing in  
Mountain View, California

(hereinafter referred to as Assignors), have invented a certain invention entitled:

**A SET OF OPTIMIZATIONS APPLICABLE TO WIRELESS NETWORKS OPERATING IN TV WHITE SPACE BANDS**

enclosed herewith or for which application for Letters Patent in the United States under Application No. \_\_\_\_\_, filed on \_\_\_\_\_, and

WHEREAS, Silver Spring Networks, Inc. a corporation of the State of Delaware, having a place of business at 555 Broadway Street, Redwood City, CA 94063 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation


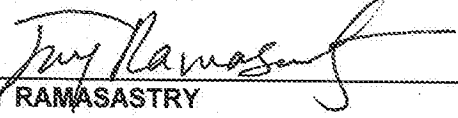
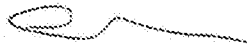
shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. I hereby authorize and request my attorneys, Patterson & Sheridan LLP, of 3040 Post Oak Blvd, Suite 1500, Houston Texas 77056, to insert above in parentheses (Application No. and Filing Date) the filing date and application number of said application when known.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____ (2013)	_____	BENJAMIN A. ROLFE
2)	<u>10/21/2013</u> (2013)		KUNAL PANKAJ SHAH
3)	<u>10/22/2013</u> (2013)		JAY RAMASASTRY
4)	<u>10/21/11</u> (2013)		CRISTINA SEIBERT

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business at 555 Broadway Street, Redwood City, CA 94063 (hereinafter referred to as Assignee), is  
desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as  
Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all  
embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to  
any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as  
Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said  
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1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive  
right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for  
patents on said Invention in any and all countries pursuant to the International Convention for the  
Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all  
Patents granted on said Invention in any and all countries and groups of countries, including each and  
every Application filed and each and every Patent granted on any application which is a conventional,  
division, substitution, or continuation of said Application; and (d) in and to each and every reissue or  
extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable  
said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in  
any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt  
production of pertinent facts and documents, giving testimony, execution of petitions, oaths,  
specifications, declarations or other papers, and other assistance all to the extent deemed necessary or  
desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed;  
(b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional,  
divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting  
applications for reissuance of any of said Patents; (e) for interference or other priority proceedings  
involving said Invention; and (f) for legal proceedings involving said Invention and any application  
therefore and any Patents granted thereon, including without limitation opposition proceedings,  
cancellation proceedings, priority contests, public use proceedings, infringement actions and court  
actions; provided, however, that the expense incurred by said Assignors in providing such cooperation


shall be paid for by said Assignee.

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1)	<u>22 Oct</u>	, (2013)	 _____
			BENJAMIN A. ROLFE
2)	_____	, (2013)	_____
			KUNAL PANKAJ SHAH
3)	_____	, (2013)	_____
			JAY RAMASASTRY
4)	_____	, (2013)	_____
			CRISTINA SEIBERT