

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>James Robert White</td> <td>12/08/2009</td> </tr> <tr> <td>Christopher John White</td> <td>12/08/2009</td> </tr> <tr> <td>Colin T. Elliott</td> <td>12/08/2009</td> </tr> <tr> <td>Alexander H. Slocum</td> <td>12/15/2009</td> </tr> </tbody> </table>		Name	Execution Date	James Robert White	12/08/2009	Christopher John White	12/08/2009	Colin T. Elliott	12/08/2009	Alexander H. Slocum	12/15/2009
Name	Execution Date										
James Robert White	12/08/2009										
Christopher John White	12/08/2009										
Colin T. Elliott	12/08/2009										
Alexander H. Slocum	12/15/2009										
RECEIVING PARTY DATA											
Name:	Active Spectrum, Inc.										
Street Address:	1191 Chess Drive, Suite F										
City:	Foster City										
State/Country:	CALIFORNIA										
Postal Code:	94404										
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>13532684</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13532684						
Property Type	Number										
Application Number:	13532684										
CORRESPONDENCE DATA											
Fax Number:	(310)943-2736										
Phone:	3105898158										
Email:	officeactions@topemckay.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Tope-McKay & Associates										
Address Line 1:	30765 Pacific Coast Highway #420										
Address Line 4:	Malibu, CALIFORNIA 90265										
ATTORNEY DOCKET NUMBER:	ACT003-C										
NAME OF SUBMITTER:	Rachel Herrera										
Total Attachments: 4 source=ACT003-C-ASG-120627#page1.tif source=ACT003-C-ASG-120627#page2.tif source=ACT003-C-ASG-120627#page3.tif source=ACT003-C-ASG-120627#page4.tif											

OP \$40.00 13532684

Attorney Docket: ACT983

Invention Title: **METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY**

ASSIGNMENT

WHEREAS, I, James R. White of 555 Cypress Ave., San Bruno, California 94066, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in **METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY** (hereinafter "Invention") for which an application for a United States Patent was filed on May 6, 2009, Application Number 12/387,766, and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, Active Spectrum, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having a place of business at 110 Glenn Way, Ste. 15, San Carlos, California 94070, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.


NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 8th day of DECEMBER, 2009,

at SAN CARLOS, CA (city).


(Signature)

Invention Title: METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY

ASSIGNMENT

WHEREAS, I, Christopher J. White of 4013 Sutherland Drive, Palo Alto, California 94303, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY (hereinafter "Invention") for which an application for a United States Patent was filed on May 6, 2009, Application Number 12/387,766, and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, Active Spectrum, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having a place of business at 110 Glenn Way, Ste. 15, San Carlos, California 94070, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

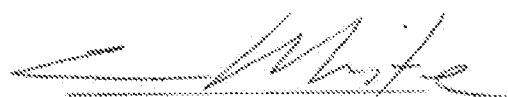
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries. I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 07th day of December, 2009,

at Menlo Park, CA (city).


(Signature)

Attorney Docket: ACT003

Invention Title: **METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY**

ASSIGNMENT

WHEREAS, I, Colin T. Elliott of 364 Page St. #2, San Francisco, CA 94102, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in **METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY** (hereinafter "Invention") for which an application for a United States Patent was filed on May 6, 2009, Application Number 12/387,766, and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, Active Spectrum, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having a place of business at 110 Glenn Way, Ste. 15, San Carlos, California 94070, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 8th day of December, 2009,

at San Carlos, CA (city).


(Signature)

Invention Title: **METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY**

ASSIGNMENT

WHEREAS, I, Alexander Slocum of I Merrill Crossing, Bow, NH 03304, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in **METHOD OF AND APPARATUS FOR IN-SITU MEASUREMENT OF SOOT BY ELECTRON SPIN RESONANCE (ESR) SPECTROMETRY** (hereinafter "Invention") for which an application for a United States Patent was filed on May 6, 2009, Application Number 12/387,766, and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, Active Spectrum, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having a place of business at 110 Glenn Way, Ste. 15, San Carlos, California 94070, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.


NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaing and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this _____15_____ day of _____December_____, 2009,

at _____Bow, NH_____ (city).



(Signature)