

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4622338

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIMOTHY REED COOPER	09/20/2017
BRUCE LEONARD MCKINLEY	09/20/2017
SCOTT A. MCDERMOTT	09/25/2017
MARK EVAN RUSSELL	09/21/2017
DAVID DAUGHERTY	09/22/2017
SHMUEL SHAFFER	09/19/2017
RECEIVING PARTY DATA	
Name:	HIGHER GROUND LLC
Street Address:	2225 EAST BAYSHORE ROAD
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94303
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15722425
CORRESPONDENCE DATA	
Fax Number:	(617)918-7878
<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>	
Phone:	(617) 918-7602
Email:	patent@piblaw.com, elaine.cruz@piblaw.com
Correspondent Name:	PARKER IBRAHIM & BERG LLC
Address Line 1:	ONE FINANCIAL CENTER, 15TH FLOOR
Address Line 4:	BOSTON, MASSACHUSETTS 02111
ATTORNEY DOCKET NUMBER:	0830007.U
NAME OF SUBMITTER:	JAMES M. BEHMKE
SIGNATURE:	/James M. Behmke/
DATE SIGNED:	10/02/2017
Total Attachments: 18	

source=0830007U_Assignments#page1.tif
source=0830007U_Assignments#page2.tif
source=0830007U_Assignments#page3.tif
source=0830007U_Assignments#page4.tif
source=0830007U_Assignments#page5.tif
source=0830007U_Assignments#page6.tif
source=0830007U_Assignments#page7.tif
source=0830007U_Assignments#page8.tif
source=0830007U_Assignments#page9.tif
source=0830007U_Assignments#page10.tif
source=0830007U_Assignments#page11.tif
source=0830007U_Assignments#page12.tif
source=0830007U_Assignments#page13.tif
source=0830007U_Assignments#page14.tif
source=0830007U_Assignments#page15.tif
source=0830007U_Assignments#page16.tif
source=0830007U_Assignments#page17.tif
source=0830007U_Assignments#page18.tif

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Timothy Reed Cooper; Bruce Leonard McKinley; Scott A. McDermott; Mark Evan Russell; David Daugherty; and Shmuel Shaffer (hereinafter referred to as Assignors), residing at 5809 Pamela Drive, Centreville, Virginia 20120; 25536 Quits Pond Circle, South Riding, Virginia 20152; 1718 Euclid Street, Washington, DC 20009; 20625 Timber Ridge Road, Pine Grove, California 95665; 16896 Wilderness Way, Jackson, California 95642; and 1211 Cowper Street, Palo Alto, California 94301, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in RETURN PATH CONGESTION MITIGATION FOR SATELLITE COMMUNICATIONS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Higher Ground LLC, a company organized under and pursuant to the laws of California having its principal place of business at 2225 East Bayshore Road, Palo Alto, California 94303 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 127660

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 9/20/2017

Signature: *Timothy Reed Cooper*
Timothy Reed Cooper

Date: _____

Signature: _____
Bruce Leonard McKinley

Date: _____

Signature: _____
Scott A. McDermott

Date: _____

Signature: _____
Mark Evan Russell

Date: _____

Signature: _____
David Daugherty

Date: _____

Signature: _____
Shmuel Shaffer

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Timothy Reed Cooper; Bruce Leonard McKinley; Scott A. McDermott; Mark Evan Russell; David Daugherty; and Shmuel Shaffer (hereinafter referred to as Assignors), residing at 5809 Pamela Drive, Centreville, Virginia 20120; 25536 Quits Pond Circle, South Riding, Virginia 20152; 1718 Euclid Street, Washington, DC 20009; 20625 Timber Ridge Road, Pine Grove, California 95665; 16896 Wilderness Way, Jackson, California 95642; and 1211 Cowper Street, Palo Alto, California 94301, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in RETURN PATH CONGESTION MITIGATION FOR SATELLITE COMMUNICATIONS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Higher Ground LLC, a company organized under and pursuant to the laws of California having its principal place of business at 2225 East Bayshore Road, Palo Alto, California 94303 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

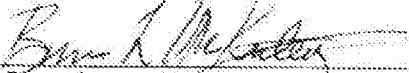
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 127660

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: _____ Signature: _____
Timothy Reed Cooper

Date: 9/20/17 Signature: 
Bruce Leonard McKinley

Date: _____ Signature: _____
Scott A. McDermott

Date: _____ Signature: _____
Mark Evan Russell

Date: _____ Signature: _____
David Daugherty

Date: _____ Signature: _____
Shmuel Shaffer

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Timothy Reed Cooper; Bruce Leonard McKinley; Scott A. McDeranott; Mark Evan Russell; David Dalgiberty; and Shmuel Shaffer (hereinafter referred to as Assignors), residing at 5809 Pamela Drive, Centreville, Virginia 20120; 25536 Quins Ford Circle, South Riding, Virginia 20152; 1718 Euclid Street, Washington, DC 20009; 20625 Timber Ridge Road, Pine Grove, California 95965; 16896 Wilderness Way, Jackson, California 95642; and 1211 Cowper Street, Palo Alto, California 94301, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in RETURN PATH CONGESTION MITIGATION FOR SATELLITE COMMUNICATIONS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Higher Ground LLC, a company organized under and pursuant to the laws of California having its principal place of business at 2225 East Bayshore Road, Palo Alto, California 94303 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon;

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and renewals, re-examinations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made;

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interest that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree in and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recording of this document:

PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 127660

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: _____ Signature: _____
Timothy Reed Cooper

Date: _____ Signature: _____
Bruce Leonard McKinley

Date: 25 Sept 2017 Signature: _____
Scott A. McDerbott

Date: _____ Signature: _____
Mark Esau Russell

Date: _____ Signature: _____
David Dunphy

Date: _____ Signature: _____
Shane Shaffer

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Timothy Reed Cooper; Bruce Leonard McKinley; Scott A. McDermott; Mark Evan Russell; David Daugherty; and Shmuel Shaffer (hereinafter referred to as Assignors), residing at 5809 Pamela Drive, Centreville, Virginia 20120; 25536 Quits Pond Circle, South Riding, Virginia 20152; 1718 Euclid Street, Washington, DC 20009; 20625 Timber Ridge Road, Pine Grove, California 95665; 16896 Wilderness Way, Jackson, California 95642; and 1211 Cowper Street, Palo Alto, California 94301, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in RETURN PATH CONGESTION MITIGATION FOR SATELLITE COMMUNICATIONS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Higher Ground LLC, a company organized under and pursuant to the laws of California having its principal place of business at 2225 East Bayshore Road, Palo Alto, California 94303 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PARKER IBRAHIM & BERG LLC

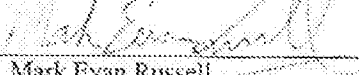
All practitioners at Customer Number 127660

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: _____ Signature: _____
Timothy Reed Cooper

Date: _____ Signature: _____
Bruce Leonard McKinley

Date: _____ Signature: _____
Scott A. McDermott

Date: 9/21/2017 Signature: 
Mark Evan Russell

Date: _____ Signature: _____
David Daugherty

Date: _____ Signature: _____
Shmuel Shaffer

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Timothy Reed Cooper; Bruce Leonard McKinley; Scott A. McDermott; Mark Evan Russell; David Daugherty; and Shmuel Shaffer (hereinafter referred to as Assignors), residing at 5809 Pamela Drive, Centreville, Virginia 20120; 25536 Quits Pond Circle, South Riding, Virginia 20152; 1718 Euclid Street, Washington, DC 20009; 20625 Timber Ridge Road, Pine Grove, California 95665; 16896 Wilderness Way, Jackson, California 95642; and 1211 Cowper Street, Palo Alto, California 94301, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in RETURN PATH CONGESTION MITIGATION FOR SATELLITE COMMUNICATIONS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Higher Ground LLC, a company organized under and pursuant to the laws of California having its principal place of business at 2225 East Bayshore Road, Palo Alto, California 94303 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 127660

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: _____ Signature: _____
Timothy Reed Cooper

Date: _____ Signature: _____
Bruce Leonard McKinley

Date: _____ Signature: _____
Scott A. McDermott

Date: _____ Signature: _____
Mark Evan Russell

Date: Sept 22, 2017 Signature: _____
David Daugherty

Date: _____ Signature: _____
Shmuel Shaffer

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Timothy Reed Cooper; Bruce Leonard McKinley; Scott A. McDermott; Mark Evan Russell; David Daugherty; and Shmuel Shaffer (hereinafter referred to as Assignors), residing at 5809 Parcels Drive, Centreville, Virginia 20126; 25536 Quits Pond Circle, South Riding, Virginia 20152; 1718 Euclid Street, Washington, DC 20009; 20625 Timber Ridge Road, Pine Grove, California 95665; 16896 Wilderness Way, Jackson, California 95642; and 1211 Cowper Street, Palo Alto, California 94301, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in RETURN PATH CONGESTION MITIGATION FOR SATELLITE COMMUNICATIONS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Higher Ground LLC, a company organized under and pursuant to the laws of California having its principal place of business at 2225 East Bayshore Road, Palo Alto, California 94303 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

08/09/72

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 127660

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: _____ Signature: _____
Timothy Reed Cooper

Date: _____ Signature: _____
Bruce Leonard McKinley

Date: _____ Signature: _____
Scott A. McDermott

Date: _____ Signature: _____
Mark Evan Russell

Date: _____ Signature: _____
David Daugherty

Date: 9/19/2017 Signature: Shmuel Shaffer
Shmuel Shaffer