

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM613973

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Nextivity, Inc.		12/11/2020	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	Live Oak Banking Company		
Street Address:	1741 Tiburon Drive		
City:	Wilmington		
State/Country:	NORTH CAROLINA		
Postal Code:	28403		
Entity Type:	Corporation: NORTH CAROLINA		
PROPERTY NUMBERS Total: 9			
Property Type	Number	Word Mark	
Registration Number:	4635264	CEL-FI	
Registration Number:	4979787	CEL-FI GO	
Registration Number:	5210224	CEL-FI SAFE	
Registration Number:	4061225	INTELLIBOOST	
Registration Number:	3558423	NEXTIVITY	
Registration Number:	4814796	PRO-X	
Registration Number:	5232300	QUATRA	
Registration Number:	4765094	SMARTSIGNAL BOOSTER	
Registration Number:	5845854	SUPERCCELL	
CORRESPONDENCE DATA			
Fax Number:	6127661600		
<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:	612-766-6911		
Email:	susan.carlson@faegredrinker.com		
Correspondent Name:	Susan Carlson, Faegre Drinker Biddle		
Address Line 1:	90 SOUTH 7TH STREET SUITE 2200		
Address Line 4:	Minneapolis, MINNESOTA 55402		
NAME OF SUBMITTER:	Susan Carlson		

OP \$240.00 4635264

SIGNATURE:	/e/ Susan Carlson
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DATE SIGNED:	12/13/2020
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Total Attachments: 64

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PATENT AND TRADEMARK SECURITY AGREEMENT

This PATENT AND TRADEMARK SECURITY AGREEMENT (this “**Agreement**”) is made this 11th day of December, 2020, by and between NEXTIVITY, INC., a Delaware corporation (“**Grantor**”), and LIVE OAK BANKING COMPANY, a North Carolina banking corporation (together with its successors and assigns, “**Secured Party**”).

WITNESSETH:

WHEREAS, pursuant to that certain Credit Agreement of even date herewith (as amended, restated, supplemented, or otherwise modified from time to time, the “**Credit Agreement**”) by and between Grantor and Secured Party, Secured Party has agreed to make certain financial accommodations available to Grantor from time to time pursuant to the terms and conditions thereof; and

WHEREAS, Secured Party is willing to make the financial accommodations to Grantor as provided for in the Credit Agreement and the other Loan Documents, but only upon the condition, among others, that Grantor shall have executed and delivered to Secured Party that certain Security Agreement of even date herewith (as amended, restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”); and

WHEREAS, pursuant to the Security Agreement, Grantor is required to execute and deliver to Secured Party this Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor hereby agrees as follows:

1. **DEFINED TERMS**. All initially capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement or, if not defined therein, in the Credit Agreement.

2. **GRANT OF SECURITY INTEREST IN PATENT COLLATERAL**. Grantor hereby unconditionally grants, assigns, and pledges to Secured Party to secure the Indebtedness, a continuing security interest (the “**Security Interest in Patents**”) in all of Grantor’s right, title and interest in and to the following, now owned and existing or hereafter acquired or arising (collectively, the “**Patent Collateral**”):

(a) all of its Patents and Patent Licenses to which it is a party including those referred to on Schedule I;

(b) all divisionals, continuations, continuations-in-part, reissues, reexaminations, or extensions of the foregoing; and

(c) all products and proceeds of the foregoing, including any claim by Grantor against third parties for past, present or future infringement of any Patent or any Patent exclusively licensed under any Patent License, including the right to receive damages, or right to receive license fees, royalties, and other compensation under any Patent License.

3. **GRANT OF SECURITY INTEREST IN TRADEMARK COLLATERAL**. Grantor hereby unconditionally grants, assigns, and pledges to Secured Party to secure the Indebtedness, a continuing security interest (the “**Security Interest in Trademarks**”); together with the Security Interest

in Patents, the “**Security Interest**”) in all of Grantor’s right, title and interest in and to the following, now owned and existing or hereafter acquired or arising (collectively, the “**Trademark Collateral**”):

- (a) all Trademarks owned by Grantor, including those referred to on Schedule II hereto;
- (b) all reissues, continuations or extensions of the foregoing;
- (c) all goodwill of the business connected with the use of, and symbolized by, each Trademark; and
- (d) all products and proceeds of the foregoing, including, without limitation, any claim by Grantor against third parties for past, present or future (i) infringement or dilution of any Trademark or (ii) injury to the goodwill associated with any such Trademark.

Notwithstanding anything to the contrary in this Agreement, nothing in this Agreement is intended to be, or may be construed to be, an assignment of any application to register any trademark or service mark based on any intent to use application filed by, or on behalf of, Grantor (“**Intent to Use Applications**”), and any Intent to Use Applications are specifically excluded from the Trademarks that constitute a portion of the Trademark Collateral for purposes of this Agreement; provided, however that upon the filing of “Statement of Use” with the United State Patent and Trademark Office, the trademark or service mark that was subject to such Intent to Use Application shall be a Trademark hereunder and part of the Trademark Collateral. Grantor agrees to amend Schedule II to this Agreement to include all such trademarks or service marks that were subject to such Intent to Use Application within thirty (30) days of registration thereof.

4. **SECURITY FOR INDEBTEDNESS.** This Agreement and the Security Interest created hereby secure the payment and performance of the Indebtedness, whether now owned and existing or hereafter acquired or arising. Without limiting the generality of the foregoing, this Agreement secures the payment of all amounts which constitute part of the Indebtedness and would be owed by Grantor to Secured Party or any of its Affiliates, whether or not they are unenforceable or not allowable due to the existence of any insolvency, bankruptcy or similar proceeding involving Grantor.

5. **SECURITY AGREEMENT.** The Security Interest granted pursuant to this Agreement is granted in conjunction with the security interests granted to Secured Party pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of Secured Party with respect to the Security Interest in the Patent Collateral and the Trademark Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Agreement and the Security Agreement, the Security Agreement shall control.

6. **AUTHORIZATION TO SUPPLEMENT.** If Grantor shall obtain rights to any new Patent or Trademark or become entitled to the benefit of any Patent or Trademark for any divisional, continuation, continuation-in-part, reissue, or reexamination of any existing Patent or Trademark, the provisions of this Agreement shall automatically apply thereto. Grantor shall give prompt notice in writing to Secured Party with respect to any such new Patent or Trademark rights. Without limiting Grantor’s obligations under this Section, Grantor hereby authorizes Secured Party unilaterally to modify this Agreement by amending Schedule I or Schedule II, as applicable, to include any such new Patent or Trademark rights of Grantor. Notwithstanding the foregoing, no failure to so modify this Agreement or amend Schedule I or Schedule II, as applicable, shall in any way affect, invalidate or detract from Secured Party’s continuing security interest in all Collateral, whether or not listed on Schedule I or Schedule II, as applicable,.

7. **COUNTERPARTS.** This Agreement is a Loan Document. This Agreement may be executed by original, facsimile or other electronic signatures (which shall be binding and enforceable the

same as if original), in two or more counterparts, each of which shall constitute an original, but all of which when taken together shall constitute but one agreement.

8. WAIVER OF JURY TRIAL, GOVERNING LAW AND JURISDICTION. THIS AGREEMENT SHALL BE SUBJECT TO THE PROVISIONS SET FORTH IN SECTIONS 16, 17 and 18 OF THE SECURITY AGREEMENT, AND SUCH PROVISIONS ARE INCORPORATED HEREIN BY THIS REFERENCE, *MUTATIS MUTANDIS.*

[Signature page follows]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and delivered as of the day and year first above written.

GRANTOR:

NEXTIVITY, INC.

By: 

Name: Dan Hart

Title: Executive Chairman

SECURED PARTY:

ACCEPTED AND ACKNOWLEDGED BY:

LIVE OAK BANKING COMPANY

By: _____

Name: Sandy McGrath

Title: AVP - Closing

Signature Page to Patent and Trademark Security Agreement

TRADEMARK
REEL: 007131 FRAME: 0257

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and delivered as of the day and year first above written.

GRANTOR:


NEXTIVITY, INC.

By: _____
Name: Dan Hart
Title: Executive Chairman

SECURED PARTY:

ACCEPTED AND ACKNOWLEDGED BY:

LIVE OAK BANKING COMPANY

By: 
Name: Sandy McGrath
Title: AVP - Closing

SCHEDULE I
to
PATENT AND TRADEMARK SECURITY AGREEMENT

Patents

See attached.

Patent Licenses

None.

File Number Country IP Family Number	Title	Inventors	App No Filing Date	Pat No Issue Date	Pub No Pub Date	Status & Remarks
106197- 1163050/US 000100US	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	60/499,693 9/3/2003			Closed - Expired
106197- 1163286/AU 000110AU	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2004303118 9/3/2004			Closed - Abandoned
106197- 1163287/BR 000110BR	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	PI 0414099- 0 9/3/2004		PI 0414099- 0A 10/31/2006	Closed - Abandoned
106197- 1163288/CA 000110CA	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2,537,474 9/3/2004			Closed - Abandoned
106197- 1163298/CH 000110CH	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	4783394.2 9/3/2004	1668781 4/8/2015	1668781 6/14/2006	Issued -
106197- 1163289/CN 000110CN	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2.0048E+11 9/3/2004		CN1014549 98A 6/10/2009	Closed - Abandoned
106197- 1163299/DE		Behzad B. Mohebbi	4783394.2	60 2004 046 972.6	1668781	Issued -

000110DE	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	4/8/2015	6/14/2006	
106197-1163290/EP		Behzad B. Mohebbi	4783394.2	1668781	1668781	Issued -
000110EP	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	4/8/2015	6/14/2006	
106197-1163300/ES		Behzad B. Mohebbi	4783394.2	1668781	1668781	Issued -
000110ES	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	4/8/2015	6/14/2006	
106197-1163301/FR		Behzad B. Mohebbi	4783394.2	1668781	1668781	Issued -
000110FR	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	4/8/2015	6/14/2006	
106197-1163302/GB		Behzad B. Mohebbi	4783394.2	1668781	1668781	Issued -
000110GB	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	4/8/2015	6/14/2006	
106197-1163303/IE		Behzad B. Mohebbi	4783394.2	1668781	1668781	Issued -
000110IE	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	4/8/2015	6/14/2006	
106197-1163291/IN		Behzad B. Mohebbi	1140/CHEN P/2006	PCT/US2004/029123		Closed - Abandoned
000110IN	SHORT-RANGE CELLULAR BOOSTER		9/3/2004	9/3/2004		

106197- 1163304/IT 000110IT	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	4783394.2 9/3/2004	1668781 4/8/2015	1668781 6/14/2006	Issued -
106197- 1163292/JP 000110JP	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2006- 526235 9/3/2004		2007- 532038 11/8/2007	Closed - Abandoned
106197- 1163293/KR 000110KR	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	10-2006- 7006351 9/3/2004	974456 8/2/2010	10-2006- 0108610 10/18/2006	Issued -
106197- 1163218/W O 000110PC	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	PCT/US200 4/029123 9/3/2004		WO2005/02 5078 3/17/2005	Closed - National Phase
106197- 1163294/RU 000110RU	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2006110628 9/3/2004	2387075 4/20/2010	2006110628 10/20/2007	Issued -
106197- 1163161/US 000110US	SHORT- RANGE CELLULAR BOOSTER	Behzad Mohebbi	11/369,231 3/2/2006	9,130,641 9/8/2015	US 2006- 0172781 A1 8/3/2006	Issued -
106197- 1163295/AU 000120AU	SHORT- RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2010249287 9/3/2004			Closed - Abandoned

106197-1163296/AU 000130AU	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2010249286 9/3/2004	2004303118		Closed - Abandoned
106197-1163297/AU 000140AU	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2010249288 9/3/2004			Closed - Abandoned
106197-1163051/US 000200US	ADVANCED SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	60/535,930 1/12/2004			Closed - Expired
106197-1163305/AU 000210AU	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	2005205349 1/11/2005			Closed - Abandoned
106197-1163306/BR 000210BR	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	PI 0506816-9 1/11/2005	PI 0506816-9 5/29/2007		Closed - Abandoned
106197-1163307/CA 000210CA	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	2,553,370 1/11/2005			Closed - Abandoned

106197- 1163309/CH	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928	Closed - Abandoned
106197- 1163308/CN	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	2.0058E+11 1/11/2005	ZL20058000 7391.9 11/4/2009	CN1981315 A 6/13/2007	Closed - Abandoned
106197- 1163310/DE	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	60 2005 047 339.4 8/26/2015	1711928 10/18/2006	Issued -
106197- 1163311/EP	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928 10/18/2006	Issued -
106197- 1163312/ES	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928 10/18/2006	Issued -
106197- 1163313/FR	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928 10/18/2006	Issued -
106197- 1163314/GB	SHORT- RANGE	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928 10/18/2006	Issued -

000210GB	RANGE CELLULAR BOOSTER					
106197- 1163317/HK	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	7109877.2 1/11/2005	HK1101932 2/5/2010	HK1101932 2/5/2010	Issued -
000210HK						
106197- 1163315/IE	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928 10/18/2006	Issued -
000210IE						
106197- 1163318/IN	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	2940/CHEN P/2006 1/11/2005			Closed - Abandoned
000210IN						
106197- 1163316/IT	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	5711380.5 1/11/2005	1711928 8/26/2015	1711928 10/18/2006	Issued -
000210IT						
106197- 1163319/JP	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	2006- 549565 1/11/2005	4847344 10/21/2011	2007- 520947 7/26/2007	Closed -
000210JP						
106197- 1163320/KR	SHORT- RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	10-2006- 7016350 1/11/2005	10-0974454 8/2/2010	10-2007- 0052236 5/21/2007	Issued -
000210KR						

106197-1163219/WO 000210PC	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	PCT/US2005/000965 1/11/2005		WO/2005/069249 7/28/2005	Closed - National Phase
106197-1163162/US 000210US	SHORT-RANGE CELLULAR BOOSTER	Behzad Mohebbi	10/597,119 1/11/2005	7,519,323 4/14/2009	US 2007-0155314 A1 7/5/2007	Issued -
106197-1163321/AU 000220AU	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	2010219400 1/11/2005			Closed - Abandoned
106197-1163163/US 000220US	SHORT-RANGE CELLULAR BOOSTER	Behzad Mohebbi	12/422,221 4/10/2009	8,086,174 12/27/2011	US 2009-0325481 A1 12/31/2009	Issued -
106197-1163164/US 000230US	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	13/336,995 12/23/2011	9,014,621 4/21/2015	US 2012-0100802 A1 4/26/2012	Issued -
106197-1163052/US 000300US	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	60/864,570 11/6/2006			Closed - Expired
106197-1163322/CA	VARIABLE GAIN ANTENNA	Behzad B. Mohebbi	2,669,264 11/6/2007			Closed - Abandoned

000310CA	ANTENNA FOR CELLULAR REPEATER					
106197- 1163324/DE 000310DE	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	7864002.6 11/6/2007	6.0201E+11 1/7/2015	2084830 8/5/2009	Issued -
106197- 1163323/EP 000310EP	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	7864002.6 11/6/2007	2084830 1/7/2015	2084830 8/5/2009	Issued -
106197- 1163325/FR 000310FR	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	7864002.6 11/6/2007	2084830 1/7/2015	2084830 8/5/2009	Issued -
106197- 1163326/GB 000310GB	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	7864002.6 11/6/2007	2084830 1/7/2015	2084830 8/5/2009	Issued -
106197- 1163220/W O 000310PC	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	PCT/US200 7/083831 11/6/2007		WO/2008/05 8155 5/15/2008	Closed - National Phase
106197- 1163165/US 000310US	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	11/936,040 11/6/2007	8,447,230 5/21/2013	US 2008- 0299897 A1 12/4/2008	Issued -

106197-1163053/US		Behzad B. Mohebbi	60/885,195			Closed - Expired
000400US	MULTI-HOP BOOSTER		1/16/2007			
106197-1163327/AT		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410AT	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163328/BE		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410BE	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163329/CH		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410CH	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163330/CN		Behzad B. Mohebbi	2.0088E+11		CN 101647212A	Closed - Abandoned
000410CN	MULTI-HOP BOOSTER		1/16/2008		2/10/2010	
106197-1163331/DE		Behzad B. Mohebbi	8727785.1	60 2008 003 198.5	2122863	Issued -
000410DE	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	11/25/2009	
106197-1163332/DK		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned

000410DK	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197- 1163333/EP		Behzad B. Mohebbi	8727785.1	2122863	2122863	
000410EP	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	11/25/2009	Issued -
106197- 1163334/ES		Behzad B. Mohebbi	8727785.1	2122863	2122863	Issued -
000410ES	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	11/25/2009	
106197- 1163335/FI		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410FI	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197- 1163336/FR		Behzad B. Mohebbi	8727785.1	2122863	2122863	Issued -
000410FR	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	11/25/2009	
106197- 1163337/GB		Behzad B. Mohebbi	8727785.1	2122863	2122863	Issued -
000410GB	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	11/25/2009	
106197- 1163338/GR		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410GR	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	

106197-1163339/IE		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410IE	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163340/IT		Behzad B. Mohebbi	8727785.1	2122863	2122863	Issued -
000410IT	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	11/25/2009	
106197-1163341/NL		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410NL	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163221/WO		Behzad B. Mohebbi	PCT/US2008/051228		WO/2008/089285	Closed - National Phase
000410PC	MULTI-HOP BOOSTER		1/16/2008		7/24/2008	
106197-1163342/PT		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410PT	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163343/SE		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410SE	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	
106197-1163344/TR		Behzad B. Mohebbi	8727785.1	2122863		Closed - Abandoned
000410TR	MULTI-HOP BOOSTER		1/16/2008	10/27/2010	2122863	

106197-1163166/US		Behzad B. Mohebbi	12/015,469	8,081,585	US 2008-0205261 A1	Issued -
000410US	MULTI-HOP BOOSTER		1/16/2008	12/20/2011	8/28/2008	
106197-1163167/US		Behzad B. Mohebbi	13/330,640	8,611,205	US 2012-0087283 A1	Issued -
000420US	MULTI-HOP BOOSTER		12/19/2011	12/17/2013	4/12/2012	
106197-1163168/US		Behzad B. Mohebbi	14/107,977	9,036,536	US 2014-0098737 A1	Issued -
000430US	MULTI-HOP BOOSTER		12/16/2013	5/19/2015	4/10/2014	
106197-1163353/CN		Behzad Mohebbi	2.0078E+11		CN101449506A	
000510CN	SHORT RANGE BOOSTER		2/2/2007		6/3/2009	Closed - Abandoned
106197-1163354/EP		Behzad Mohebbi	7717547.9	1985056	1985056	Issued -
000510EP	SHORT RANGE BOOSTER		2/2/2007	4/10/2013	10/29/2008	
106197-1163355/GB		Behzad Mohebbi	7717547.9	1985056	1985056	Issued -
000510GB	SHORT RANGE BOOSTER		2/2/2007	4/10/2013	10/29/2008	

106197-1163356/IN 000510IN	SHORT RANGE BOOSTER	Behzad Mohebbi	7322/DELN P/2008 2/2/2007		7322/DELN P/2008A 9/26/2008	Closed - Abandoned
106197-1163222/WO 000510PC	SHORT RANGE BOOSTER	Behzad Mohebbi	PCT/US2007/061567 2/2/2007		WO/2007/098313 8/30/2007	Closed - National Phase
106197-1163169/US 000510US	SHORT RANGE BOOSTER	Behzad B. Mohebbi	12/279,814 2/2/2007	8,452,231 5/28/2013	US 2009-0239521 A1 9/24/2009	Issued -
106197-1163345/CH 000520CH	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -
106197-1163346/DE 000520DE	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	60 2007 041 021.5 4/8/2015	2464049 6/13/2012	Issued -
106197-1163347/EP 000520EP	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -
106197-1163348/ES 000520ES	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -

	BOOSTER					
106197-1163349/FR 000520FR	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -
106197-1163350/GB 000520GB	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -
106197-1163351/IE 000520IE	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -
106197-1163352/IT 000520IT	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/2007	2464049 4/8/2015	2464049 6/13/2012	Issued -
106197-1163054/US 000600US	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad B. Mohebbi	60/796,731 5/2/2006			Closed - Expired
106197-1163357/AU 000610AU	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	2007248623 5/2/2007			Closed - Abandoned
106197-1163358/CA		Behzad Mohebbi	2,650,923			Closed - Abandoned

000610CA	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007			
106197- 1163359/CH		Behzad Mohebbi	7776652.5	2030331	2030331	Issued -
000610CH	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007	3/11/2015	3/4/2009	
106197- 1163360/CN		Behzad Mohebbi	2.0078E+11		CN1014385 19A	Closed - Abandoned
000610CN	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007		5/20/2009	
106197- 1163361/DE		Behzad Mohebbi	7776652.5	60 2007 040 585.8	2030331	Issued -
000610DE	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007	3/11/2015	3/4/2009	
106197- 1163362/EP		Behzad Mohebbi	7776652.5	2030331	2030331	Issued -
000610EP	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007	3/11/2015	3/4/2009	
106197- 1163363/ES		Behzad Mohebbi	7776652.5	2030331	2030331	Issued -
000610ES	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007	3/11/2015	3/4/2009	
106197- 1163364/FR		Behzad Mohebbi	7776652.5	2030331	2030331	Issued -
000610FR	FDD/TDD WIRELESS LINK FOR UNII BAND		5/2/2007	3/11/2015	3/4/2009	

106197-1163365/GB 000610GB	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	7776652.5 5/2/2007	2030331 3/11/2015	2030331 3/4/2009	Issued -
106197-1163366/IE 000610IE	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	7776652.5 5/2/2007	2030331 3/11/2015	2030331 3/4/2009	Issued -
106197-1163367/IN 000610IN	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	9052/DELN P/2008 5/2/2007		9052/DELN P/2008A 5/22/2009	Closed - Abandoned
106197-1163368/IT 000610IT	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	7776652.5 5/2/2007	2030331 3/11/2015	2030331 3/4/2009	Issued -
106197-1163369/JP 000610JP	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	2009- 509697 5/2/2007	4997284 5/18/2012	2009- 535993 10/1/2009	Issued -
106197-1163223/WO 000610PC	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	PCT/US200 7/010685 5/2/2007		WO2007/01 30488 11/15/2007	Closed - National Phase
106197-1163170/US 000610US	FDD/TDD WIRELESS LINK FOR	Behzad B. Mohebbi	11/799,838 5/2/2007	8,570,983 10/29/2013	US 2007- 0264935 A1 11/15/2007	Issued -

	UNII BAND					
106197-1163370/AU 000620AU	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	2011253587 5/2/2007			Closed - Abandoned
106197-1163055/US 000700US	MULTI-HOP BOOSTER	Behzad B. Mohebbi	60/926,273 4/25/2007			Closed - Expired
106197-1163371/AU 000710AU	MULTI-HOP BOOSTER	Behzad B. Mohebbi	2008245627 4/25/2008	2008245627 9/13/2012	2008245627 11/6/2008	Issued -
106197-1163372/CA 000710CA	MULTI-HOP BOOSTER	Behzad B. Mohebbi	2,685,226 4/25/2008			Closed - Abandoned
106197-1163373/CN 000710CN	MULTI-HOP BOOSTER	Behzad B. Mohebbi	2.0088E+11 4/25/2008		CN1017114 59A 5/19/2010	Closed - Abandoned
106197-1163374/EP 000710EP	MULTI-HOP BOOSTER	Behzad B. Mohebbi	8769187.9 4/25/2008		2145397 1/20/2010	Closed - Abandoned

106197-1163375/JP 000710JP	MULTI-HOP BOOSTER	Behzad B. Mohebbi	2010-506543 4/25/2008		2010-525765 7/22/2010	Closed - Abandoned
106197-1163376/KR 000710KR	MULTI-HOP BOOSTER	Behzad B. Mohebbi	10-2009-7023837 4/25/2008		10-2010-0016574 2/12/2010	Closed - Abandoned
106197-1163224/WO 000710PC	MULTI-HOP BOOSTER	Behzad B. Mohebbi	PCT/US2008/061675 4/25/2008		WO/2008/134585 11/6/2008	Closed - National Phase
106197-1163171/US 000710US	MULTI-HOP BOOSTER	Behzad B. Mohebbi	12/110,259 4/25/2008	8,682,311 3/25/2014	US 2009-0036114 A1 2/5/2009	Issued -
106197-1163056/US 000800US	SHORT RANGE BOOSTER WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	60/932,677 6/1/2007			Closed - Expired
106197-1163378/AU 000810AU	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	2008260449 6/2/2008			Closed - Abandoned
106197-1163379/CA 000810CA	SHORT RANGE BOOSTER AND METHODS FOR	Behzad B. Mohebbi	2,689,133 6/2/2008			Closed - Abandoned

	BOOSTING WITH MULTIPLE ANTENNAS					
106197-1163380/CH 000810CH	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -
106197-1163381/CN 000810CN	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	2008800242 22.X 6/2/2008		CN1016899 10A 3/31/2010	Closed - Abandoned
106197-1163382/DE 000810DE	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	60 2008 049 617.1 4/5/2017	2153543 2/17/2010	Issued -
106197-1163383/EP 000810EP	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -
106197-1163384/ES 000810ES	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -
106197-1163385/FR 000810FR	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -

106197-1163386/GB 000810GB	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -
106197-1163387/IE 000810IE	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -
106197-1163388/IT 000810IT	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	8768113.6 6/2/2008	2153543 4/5/2017	2153543 2/17/2010	Issued -
106197-1163389/JP 000810JP	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	2010-510377 6/2/2008		2010-529740 8/26/2010	Closed - Abandoned
106197-1163390/KR 000810KR	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	10-2009-7027349 6/2/2008		10-2010-0030631 3/18/2010	Closed - Abandoned
106197-1163225/WO 000810PC	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	PCT/US2008/007026 6/2/2008		WO/2008/150534 12/11/2008	Closed - National Phase
106197-1163172/US 000810US	SHORT RANGE BOOSTER WITH	Behzad B. Mohebbi	12/131,839 6/2/2008	8,478,191 7/2/2013	US 2008-0299896 A1 12/4/2008	Issued -

	MULTIPLE ANTENNAS					
106197-1163377/EP 000820EP	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	6/2/2008			Unfiled -
106197-1163057/US 000900US	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	60/969,519 8/31/2007			Closed - Expired
106197-1163391/AU 000910AU	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	2008292822 9/2/2008			Closed - Abandoned
106197-1163392/CA 000910CA	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	2,697,671 9/2/2008			Closed - Abandoned
106197-1163393/CN 000910CN	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	2008801048 66.X 9/2/2008		CN1018617 17A 10/13/2010	Closed - Abandoned
106197-1163394/EP 000910EP	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	8828569.7 9/2/2008		2195982 6/16/2010	Closed - Abandoned

106197-1163395/JP 000910JP	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	2010-523200 9/2/2008		2010-538549 12/9/2010	Closed - Abandoned
106197-1163396/KR 000910KR	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	10-2010-7005818 9/2/2008	10-1149279 5/16/2012	10-2010-0049111 5/11/2010	Issued -
106197-1163226/WO 000910PC	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	PCT/US2008/075053 9/2/2008		WO/2009/029946 3/5/2009	Closed - National Phase
106197-1163173/US 000910US	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	12/203,106 9/2/2008	8,649,447 2/11/2014	US 2009-0060075 A1 3/5/2009	Issued -
106197-1163058/US 001000US	CDMA UNII LINK	Behzad B. Mohebbi	60/979,352 10/11/2007			Closed - Expired
106197-1163397/AU 001010AU	REPEATER FOR USE IN A CDMA UNII LINK	Behzad B. Mohebbi Louis Botha	2008310560 10/14/2008			Closed - Abandoned
106197-1163398/CA 001010CA	REPEATER FOR USE IN A CDMA	Behzad B. Mohebbi Louis Botha	2,702,267 10/14/2008			Closed - Abandoned

	UNII LINK					
106197-1163399/CH 001010CH	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989 7/7/2010	Issued -
106197-1163400/CN 001010CN	REPEATER FOR USE IN A CDMA UNII LINK	Behzad B. Mohebbi Louis Botha	2.0088E+11 10/14/2008		CN1018430 11A 9/22/2010	Closed - Abandoned
106197-1163401/DE 001010DE	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	60 2008 046 709.0 10/5/2016	2203989 7/7/2010	Issued -
106197-1163402/EP 001010EP	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989 7/7/2010	Issued -
106197-1163403/ES 001010ES	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989	Closed - Abandoned
106197-1163404/FR 001010FR	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989 7/7/2010	Issued -

106197-1163405/GB 001010GB	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989 7/7/2010	Issued -
106197-1163406/IE 001010IE	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989 7/7/2010	Issued -
106197-1163407/IT 001010IT	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	8838370.8 10/14/2008	2203989 10/5/2016	2203989 7/7/2010	Issued -
106197-1163408/KR 001010KR	REPEATER FOR USE IN A CDMA UNII LINK	Behzad B. Mohebbi Louis Botha	10-2010-7009787 10/14/2008		10-2010-0091172 8/18/2010	Closed - Abandoned
106197-1163227/WO 001010PC	REPEATER FOR USE IN A CDMA UNII LINK	Behzad B. Mohebbi Louis Botha	PCT/US2008/079894 10/14/2008		WO/2009/049326 4/16/2009	Closed - National Phase
106197-1163174/US 001010US	CDMA UNII LINK	Behzad B. Mohebbi Louis Botha	12/251,420 10/14/2008	8,351,366 1/8/2013	US 2009-0129442 A1 5/21/2009	Issued -
106197-1163059/US 001100US	PLANAR INVERTED-F ANTENNA (PIFA) INSPIRED SMALL	Irene W. Huang	61/535,837 9/16/2011			Closed - Abandoned

	DIPOLE ANTENNA					
106197-1163060/US	LOCATION BASED CACHING OF CLOUD DATA	Michiel P. Loetter	61/623,030 4/11/2012			Closed - Expired
001200US						
106197-1163175/US	CONTEXT BASED CACHING OF CLOUD DATA	Michiel Petrus Loetter	13/860,128 4/10/2013	9,210,563 12/8/2015	2014-0032645 1/30/2014	Issued -
001210US						
106197-1168788/CH	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310CH						
106197-1168789/DE	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	60 2010 053 126.0 8/29/2018	2415296 2/8/2012	Issued -
001310DE						
106197-1163409/EP	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310EP						
106197-1168790/ES	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310ES						

106197-1168791/FR	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310FR						
106197-1168792/GB	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310GB						
106197-1168793/IE	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310IE						
106197-1168794/IT	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/2010	2415296 8/29/2018	2415296 2/8/2012	Issued -
001310IT						
106197-1163228/WO	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	PCT/US2010/023092 2/3/2010		WO/2010/091114 8/12/2010	Closed - National Phase
001310PC						
106197-1163410/CH	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy	10741823.8 2/12/2010	2415184 4/10/2019	2415184 2/8/2012	Issued -
001410CH						

		Behzad Mohebbi				
106197-1163411/DE	001410DE	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/2010	60 2010 058 149.7 4/10/2019	2415184 2/8/2012	Issued -
106197-1163412/EP	001410EP	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/2010	2415184 4/10/2019	2415184 2/8/2012	Issued -
106197-1163413/ES	001410ES	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/2010	2415184 4/10/2019	2415184 2/8/2012	Issued -
106197-1163414/FR	001410FR	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/2010	2415184 4/10/2019	2415184 2/8/2012	Issued -
106197-1163415/GB	001410GB	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/2010	2415184 4/10/2019	2415184 2/8/2012	Issued -
106197-1163416/IE	RFMOTF	Paul Rigatti Michiel Lotter	10741823.8 2/12/2010	2415184 4/10/2019	2415184 2/8/2012	Issued -

001410IE	CONTROL FOR BOOSTER	Louis Botha Johan Conroy Behzad Mohebbi				
106197-1163417/IT		Paul Rigatti	10741823.8	2415184	2415184	Issued -
001410IT	REMOTE CONTROL FOR BOOSTER	Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	2/12/2010	4/10/2019	2/8/2012	
106197-1163229/WO		Paul Rigatti	PCT/US2010/024133		WO/2010/093949	Closed - National Phase
001410PC	REMOTE CONTROL FOR BOOSTER	Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	2/12/2010		8/19/2010	
106197-1163230/WO		Michiel Petrus Lotter	PCT/US2011/023648		WO/2011/097413	Closed - Abandoned
001510PC	LOCATION-BASED SERVICE LEVEL ADJUSTMENT		2/3/2011		8/11/2011	
106197-1163231/WO		Michiel Petrus Lotter	PCT/US2011/023649		WO/2011/097414	Closed - Abandoned
001610PC	LOCATION FINDING IN CELLULAR NETWORK WITH REPEATER		2/3/2011		8/11/2011	
106197-1163061/US		Michiel P. Loeffter	61/699,260			Closed - Expired
001700US	SYSTEM AND METHOD FOR DETERMINING THE LOCATION OF A MOBILE TERMINAL IN THE PRESENCE OF A REPEATER		9/10/2012			
106197-1163176/US		Michiel Petrus Loeffter	14/022,719	9,264,851	2014-0073351	Issued -
	DETERMINING THE LOCATION					

001710US	OF A MOBILE TERMINAL IN THE PRESENCE OF A REPEATER		9/10/2013	2/16/2016	3/13/2014	
106197- 1163062/US		Michiel Petrus Lotter	61/941,449			Closed - Expired
001800US	SYSTEM FOR MAXIMIZIN G GAIN IN A REPEATER	Ian Riphagen In Kwang Kim James Qiu	2/18/2014			
106197- 1163418/AU		Michiel Petrus Lotter	2015219119	2015219119	2015219119	Issued -
001810AU	SYSTEM FOR MAXIMIZIN G GAIN IN A REPEATER	Ian Riphagen James Xiaohui Qiu In Kwang Kim	2/18/2015	5/2/2019	7/7/2016	
106197- 1163419/CA		Michiel Petrus Lotter	2,935,443		2935443	
001810CA	SYSTEM FOR MAXIMIZIN G GAIN IN A REPEATER	Ian Riphagen James Xiaohui Qiu In Kwang Kim	2/18/2015		8/27/2015	Published -
106197- 1163420/EP		Michiel Petrus Lotter	15707492.3		3108595	Published -
001810EP	SYSTEM FOR MAXIMIZIN G GAIN IN A REPEATER	Ian Riphagen James Xiaohui Qiu In Kwang Kim	2/18/2015		12/28/2016	Office Action Response 11/25/2020 Response With Grace 12/4/2020
106197- 1163232/W O		Michiel Petrus Lotter	PCT/US201 5/016429		WO/2015/12 6975	Closed - National Phase
001810PC	SYSTEM FOR MAXIMIZIN G GAIN IN A REPEATER	Ian Riphagen James Xiaohui Qiu In Kwang Kim	2/18/2015		8/27/2015	

106197-1163177/US		Michiel Petrus Lotter	14/625,512	9,979,460	US 2015-0236776 A1	Issued -
001810US	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Ian Riphagen James Xiaohui Qiu In Kwang Kim	2/18/2015	5/22/2018	8/20/2015	
106197-1163178/US		Michiel Petrus Lotter	15/296,544	9,793,974	2017-0041062	Issued -
001820US	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Ian Riphagen James Xiaohui Qiu In Kwang Kim	10/18/2016	10/17/2017	2/9/2017	
106197-1163063/US		Michiel Petrus Lotter	61/989,379			Closed - Expired
001900US	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	5/6/2014			
106197-1163421/AU		Michiel Petrus Lotter	2015256016	2015256016	2015256016	
001910AU	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	5/6/2015	10/24/2019	11/10/2016	Issued -
106197-1163422/CA		Michiel Petrus Lotter	2,947,171			Closed - Abandoned
001910CA	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	5/6/2015			
106197-1163423/EP		Michiel Petrus Lotter	15722017.9		3140881	
001910EP	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	5/6/2015		3/15/2017	Published -

106197-1163233/WO		Michiel Petrus Lotter	PCT/US2015/029525		WO/2015/171806	Closed - National Phase
001910PC	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	5/6/2015		11/12/2015	
106197-1163179/US		Michiel Petrus Lotter	14/705,810	9,961,561	US 2015-0327077 A1	Issued -
001910US	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	5/6/2015	5/1/2018	11/12/2015	
106197-1163180/US		Michiel Petrus Lotter	15/966,624	10,136,335	2018-0249347	Issued -
001920US	INTEGRATED REPEATER	Inkwang Kim Jason Foster Cook	4/30/2018	11/20/2018	8/30/2018	
106197-1163064/US		Michiel Petrus Lotter	61/989,391			Closed - Expired
002000US	DETECTING UPLINK REPEATER CAPACITY	Ian Riphagen	5/6/2014			
106197-1163425/AU		Michiel Petrus Lotter	2015256018	2015256018	2015256018	Issued -
002010AU	DETECTING UPLINK REPEATER CAPACITY	Ian Riphagen	5/6/2015	2/7/2019	11/10/2016	
106197-1163426/CA		Michiel Petrus Lotter	2,947,182	2947182	2947182	Issued -
002010CA	DETECTING UPLINK REPEATER	Ian Riphagen	5/6/2015	2/19/2019	11/12/2015	

	CAPACITY					
106197-1163427/CH 002010CH	DETECTIN G UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	3140927 7/3/2019	3140927 3/15/2017	Issued -
106197-1163428/DE 002010DE	DETECTIN G UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	6.0202E+11 7/3/2019	3140927 3/15/2017	Issued -
106197-1163429/EP 002010EP	DETECTIN G UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	3140927 7/3/2019	3140927 3/15/2017	Issued -
106197-1163430/ES 002010ES	DETECTIN G UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	3140927 7/3/2019	3140927 3/15/2017	Issued -
106197-1163431/FR 002010FR	DETECTIN G UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	3140927 7/3/2019	3140927 3/15/2017	Issued -
106197-1163432/GB 002010GB	DETECTIN G UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	3140927 7/3/2019	3140927 3/15/2017	Issued -

106197-1163433/IE 002010IE	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	3140927 7/3/2019	3140927 3/15/2017	Issued -
106197-1163434/IT 002010IT	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/2015	5.0202E+14 7/3/2019	3140927 3/15/2017	Issued -
106197-1163234/WO 002010PC	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	PCT/US2015/029527 5/6/2015		WO/2015/171808 11/12/2015	Closed - National Phase
106197-1163181/US 002010US	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	14/705,796 5/6/2015	9,237,533 1/12/2016	US 2015-0327190 A1 11/12/2015	Issued -
106197-1163424/AU 002020AU	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen		5/6/2015		Closed - Abandoned
106197-1163065/US 002100US	ENCLOSURE FOR MULTI-FREQUENCY BAND SIGNAL BOOSTER SYSTEM	Michiel Petrus Lotter	29/516,180 1/29/2015	D795,210 8/22/2017		Issued -

106197-1163066/US 002200US	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	62/038,166 8/15/2014			Closed - Expired
106197-1163435/AU 002210AU	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	2015301469 8/14/2015	2015301469 12/12/2019	2015301469 2/9/2017	Issued -
106197-1163436/CA 002210CA	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	2,957,261 8/14/2015		2957261 2/18/2016	Closed - Abandoned
106197-1163437/EP 002210EP	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	15756745.4 8/14/2015		3180871 6/21/2017	Closed - Abandoned
106197-1163235/WO 002210PC	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	PCT/US2015/045365 8/14/2015		WO/2016/025889 2/18/2016	Closed - National Phase
106197-1163182/US 002210US	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	14/827,063 8/14/2015	9,397,743 7/19/2016	US 2016-0050009 A1 2/18/2016	Issued -

106197-1163183/US 002220US	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	15/214,365 7/19/2016	10,044,431 8/7/2018	US 2016-0329951 A1 11/10/2016	Issued -
106197-1163067/US 002300US	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	62/074,553 11/3/2014			Closed - Expired
106197-1163438/AU 002310AU	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	2015343214 11/3/2015		2015343214 5/18/2017	Published - Abandoned
106197-1163439/CA 002310CA	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	2,966,626 11/3/2015		2966626 5/12/2016	Published -
106197-1163440/EP 002310EP	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	15794035.4 11/3/2015		3216291 9/13/2017	Closed - Abandoned
106197-1163236/WO 002310PC	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A	Michiel Petrus Lotter	PCT/US2015/058893 11/3/2015		WO/2016/073525 5/12/2016	Closed - National Phase

	THREE-HOP REPEATER					
106197-1163184/US 002310US	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	14/931,801 11/3/2015	10,454,563 10/22/2019	US 2016-0128068 A1 5/5/2016	Issued -
106197-1172330/AU 002320AU	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	2019284007 11/3/2015			Pending -
106197-1163068/US 002400US	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	62/077,045 11/7/2014			Closed - Expired
106197-1163441/AU 002410AU	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	2015342842 11/6/2015		2015342842 5/18/2017	Published - Abandoned
106197-1163442/CA 002410CA	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	2,966,763 11/6/2015		2966763 5/12/2016	Published -
106197-1163443/EP 002410EP	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A	Michiel Petrus Lotter	15795320.9 11/6/2015		3216137 9/13/2017	Published -

	REPEATER					
106197-1163237/WO 002410PC	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	PCT/US2015/059602 11/6/2015		WO/2016/073942 5/12/2016	Closed - National Phase
106197-1163185/US 002410US	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	14/935,284 11/6/2015	9,780,863 10/3/2017	US 2016-0134355 A1 5/12/2016	Issued -
106197-1170869/AU 002420AU	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	2019280048 11/6/2015			Pending -
106197-1163069/US 002500US	SYSTEM FOR PROVIDING INTERNET ACCESS USING MOBILE PHONES	Werner R. Sievers Joseph Barry Schmeizer Michiel Petrus Lotter	62/128,332 3/4/2015			Closed - Expired
106197-1163186/US 002510US	SYSTEM FOR PROVIDING INTERNET ACCESS USING MOBILE PHONES	Werner Richard Sievers Joseph Barry Schmeizer Michiel Petrus Lotter	15/061,892 3/4/2016		US 2016-0262192 A1 9/8/2016	Closed - Abandoned
106197-1163070/US 002600US	INTEGRATED POWER SUPPLY AND ANTENNA FOR	Michiel Petrus Lotter	62/143,697 4/6/2015			Closed - Expired

	REPEATER					
106197-1163444/AU		Michiel Petrus Lotter	2016246595			Closed - Abandoned
002610AU	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	4/6/2016			
106197-1163445/CA		Michiel Petrus Lotter	2,981,790		2981790	Published -
002610CA	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	4/6/2016		10/13/2016	Request Examination 4/6/2021
106197-1163446/EP		Michiel Petrus Lotter	16718087.6		3281303	Published -
002610EP	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	4/6/2016		2/14/2018	
106197-1163238/WO		Michiel Petrus Lotter	PCT/US2016/026248		WO/2016/164483	Closed - National Phase
002610PC	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	4/6/2016		10/13/2016	
106197-1163187/US		Michiel Petrus Lotter	15/092,556	10,750,427	US 2016-0295495 A1	Issued -
	INTEGRATED POWER	Jason Foster Cook	4/6/2016	8/18/2020	10/6/2016	

002610US	SUPPLY AND ANTENNA FOR REPEATER	Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu				
106197-1163071/US 002700US	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	62/143,736 4/6/2015			Closed - Expired
106197-1163447/AU 002710AU	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	2016246600 4/6/2016	2016246600 2016246600	2016246600 10/26/2017	Allowed -
106197-1163448/CA 002710CA	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	2,981,958 4/6/2016		2981958 10/13/2016	Published - Request Examination 4/6/2021
106197-1163449/EP 002710EP	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/2016		3281305 2/14/2018	Published - Office Action Response 9/30/2020 Response With Grace 10/10/2020
106197-1163239/WO 002710PC	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	PCT/US2016/026256 4/6/2016		WO/2016/164489 10/13/2016	Closed - National Phase

106197-1163188/US 002710US	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	15/092,564 4/6/2016	9,882,627 1/30/2018	US 2016-0294467 A1 10/6/2016	Issued -
106197-1163072/US 002800US	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL	Francis Swarts	62/188,296 7/2/2015			Closed - Expired
106197-1163450/AU 002810AU	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL	Francis Swarts Andrew Christopher Du Preez	2016288726 7/1/2016			Closed - Abandoned
106197-1163451/CA 002810CA	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL	Francis Swarts Andrew Christopher Du Preez	2,991,240 7/1/2016			Closed - Abandoned
106197-1163452/EP 002810EP	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL	Francis Swarts Andrew Christopher Du Preez	16741448.1 7/1/2016		3317974 5/9/2018	Closed - Abandoned
106197-1163240/WO 002810PC	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE	Francis Swarts Andrew Christopher Du Preez	PCT/US2016/040835 7/1/2016		WO/2017/004583 1/5/2017	Closed - National Phase

	EMPLOYING ERROR CONTROL					
106197-1163189/US	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL	Francis Swarts Andrew Christopher Du Preez	15/201,158 7/1/2016	10,218,465 2/26/2019	US 2017-0005755 A1 1/5/2017	Issued -
002810US						
106197-1163073/US	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	62/200,119 8/3/2015			Closed - Expired
002900US						
106197-1163453/AU	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	2016301319 8/3/2016		2016301319 3/8/2018	Published -
002910AU						
106197-TBD/AU	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	2020264308 8/3/2016			Pending - Request Examination 11/4/2025
002910AU						
106197-1163454/CA	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	2,994,674 8/3/2016		2994674 2/9/2017	Published - Request Examination 8/3/2021
002910CA						

106197-1163455/CH	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910CH			8/3/2016	2/26/2020	6/13/2018	
106197-1163455/DE	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	6.0202E+11	3332574	Issued -
002910DE			8/3/2016	2/26/2020	6/13/2018	
106197-1163455/EP	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910EP			8/3/2016	2/26/2020	6/13/2018	Opposition Period 11/26/2020
106197-1163455/ES	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910ES			8/3/2016	2/26/2020	6/13/2018	
106197-1163455/FR	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910FR			8/3/2016	2/26/2020	6/13/2018	

106197-1163455/GB	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910GB			8/3/2016	2/26/2020	6/13/2018	
106197-1163455/IE	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910IE			8/3/2016	2/26/2020	6/13/2018	
106197-1163455/IT	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6	3332574	3332574	Issued -
002910IT			8/3/2016	2/26/2020	6/13/2018	
106197-1163241/WO	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	PCT/US2016/045430		WO/2017/024077	Closed - National Phase
002910PC			8/3/2016		2/9/2017	
106197-1163190/US	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	15/227,915	10,045,225	US 2017-0041807 A1	Issued -
002910US			8/3/2016	8/7/2018	2/9/2017	

106197-1163191/US	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16/017,044	10,405,195	2018-0317096	Issued -
002920US			6/25/2018	9/3/2019	11/1/2018	
106197-1163074/US	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	62/444,757			Closed - Expired
003000US			1/10/2017			
106197-1163456/AU	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	2018207284		2018207284	Published -
003010AU			1/10/2018		8/1/2019	Request Examination 1/10/2023
106197-1163457/CA	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	3,049,772		3049772	Published -
003010CA			1/10/2018		7/19/2018	Request Examination 1/10/2023
106197-1163458/EP	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	18702004.5		3568927	Published -
003010EP			1/10/2018		11/20/2019	
106197-1163242/WO	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	PCT/US2018/013200		WO/2018/132497	Closed - National Phase
003010PC			1/10/2018		7/19/2018	

106197-1163192/US 003010US	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	15/867,551 1/10/2018		US 2018-0199326 A1 7/12/2018	Published - Non-Final Office Action Response 11/17/2020
106197-1163075/US 003100US	MANAGING THE BEAM DIRECTION OF THE DONOR ANTENNA OF A MOBILE REPEATER	Michiel Petrus Lotter	62/444,766 1/10/2017			Closed - Expired
106197-1163243/WO 003110PC	MANAGING THE BEAM DIRECTION OF THE DONOR ANTENNA OF A MOBILE REPEATER	Michiel Petrus Lotter	PCT/US2018/013202 1/10/2018		WO 2018/132499 7/19/2018	Closed - Expired
106197-1163193/US 003110US	MANAGING THE BEAM DIRECTION OF THE DONOR ANTENNA OF A MOBILE REPEATER	Michiel Petrus Lotter	15/867,580 1/10/2018	10,348,393 7/9/2019	US 2018-0198515 A1 7/12/2018	Issued -
106197-1163076/US 003200US	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	62/523,436 6/22/2017			Closed - Expired
106197-1163459/AU 003210AU	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	2018289403 6/19/2018		2018289403 2/13/2020	Published -

106197-1163460/CA 003210CA	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	3067830 6/19/2018	3067830 12/27/2018	Published -
106197-1163461/EP 003210EP	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	18740387.8 6/19/2018	3642973 4/29/2020	Published -
106197-1163244/WO 003210PC	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	PCT/US2018/038247 6/19/2018	WO/2018/236845 12/27/2018	Closed -
106197-1163194/US 003210US	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	16/012,089 6/19/2018	US 2018-0376391 A1 12/27/2018	Allowed - Issue Fee 12/22/2020
106197-1163077/US 003300US	SELECTING RELAY FREQUENCIES IN A MOBILE REPEATER	James Xiaohui Qiu	62/523,435 6/22/2017		Closed - Expired
106197-1163462/AU 003310AU	SELECTING RELAY FREQUENCIES IN A MOBILE REPEATER	James Xiaohui Qiu Johan Conroy Michiel Petrus Lotter	2018289406 6/19/2018	2018289406	Pending -

106197- 1163463/CA		James Xiaohui Qiu	3068255		3068255	Published -
003310CA	SELECTING RELAY FREQUENC IES IN A MOBILE REPEATER	Johan Conroy Michiel Petrus Lotter	6/19/2018		12/27/2018	Request Examination 6/19/2023
106197- 1163464/EP		James Xiaohui Qiu	18739692.4		3642972	
003310EP	SELECTING RELAY FREQUENC IES IN A MOBILE REPEATER	Johan Conroy Michiel Petrus Lotter	6/19/2018		4/29/2020	Published -
106197- 1163245/W O		James Xiaohui Qiu	PCT/US201 8/038251		WO/2018/23 6848	
003310PC	SELECTING RELAY FREQUENC IES IN A MOBILE REPEATER	Johan Conroy Michiel Petrus Lotter	6/19/2018		12/27/2018	Closed -
106197- 1163195/US		James Xiaohui Qiu	16/012,104		US 2018- 0375725 A1	Published -
003310US	SELECTING RELAY FREQUENC IES IN A MOBILE REPEATER	Johan Conroy Michiel Petrus Lotter	6/19/2018		12/27/2018	Non-Final Office Action 11/29/2020 Response
106197- 1163078/US		Michiel Petrus Lotter	62/530,023			Closed - Expired
003400US	LOW POWER CELLULAR BASE STATION		7/7/2017			
106197- 1172179/AU		Michiel Petrus Lotter	2018297343		2018297343	
	LOW POWER		7/6/2018		2/13/2020	

003410AU	CELLULAR BASE STATION					Published -
106197- 1172178/CA		Michiel Petrus Lotter	3069133		3069133	Published -
003410CA	LOW POWER CELLULAR BASE STATION		7/6/2018		1/10/2019	Request Examination 7/6/2023
106197- 1172180/EP		Michiel Petrus Lotter	18828719.7		3649808	Published -
003410EP	LOW POWER CELLULAR BASE STATION		7/6/2018		5/13/2020	
106197- 1163246/W O		Michiel Petrus Lotter	PCT/US201 8/041122		WO/2019/01 0438	Closed -
003410PC	LOW POWER CELLULAR BASE STATION		7/6/2018		1/10/2019	
106197- 1163196/US		Michiel Petrus Lotter	16/029,378	10,667,210	US 2019- 0075516 A1	Issued -
003410US	LOW POWER CELLULAR BASE STATION		7/6/2018	5/26/2020	3/7/2019	
106197- 1163079/US		Michiel Petrus Lotter	62/556,981			Closed - Expired
003500US	METHOD FOR OPTIMIZIN G THE ANTENNA CONFIGUR ATION OF A BOOSTER		9/11/2017			
106197- 1163197/US		Michiel Petrus Lotter	16/128,240		US 2019- 0080221 A1	Published -
003510US	METHOD FOR OPTIMIZIN G THE ANTENNA CONFIGUR		9/11/2018		3/14/2019	

	ATION OF A BOOSTER					
106197- 1163080/US		Michiel Petrus Lotter	62/619,703			Closed - Expired
003600US	LOW POWER IOT BOOSTER NETWORK		1/19/2018			Co mp lete d
106197- 1202664/AU		Michiel Petrus Lotter	2019208328		2019208328	
003610AU	LOW POWER LOT BOOSTER NETWORK		1/18/2019		7/30/2020	Published -
106197- 1202669/CA		Michiel Petrus Lotter	3,088,668		3088668	Published -
003610CA	LOW POWER IOT BOOSTER NETWORK		1/18/2019		7/25/2019	Request Examination 1/18/2024
106197- 1202670/EP		Michiel Petrus Lotter	19741452.7			
003610EP	LOW POWER LOT BOOSTER NETWORK		1/18/2019			Pending -
106197- 1163247/W O		Michiel Petrus Lotter	PCT/US201 9/014341		WO /2019/14403 8 A3	
003610PC	LOW POWER LOT BOOSTER NETWORK		1/18/2019		7/25/2019	Closed - National Phase
106197- 1163198/US		Michiel Petrus Lotter	16/252,438		US 2019- 0230518 A1	Published -

003610US	LOW POWER IOT BOOSTER NETWORK		1/18/2019		7/25/2019	Amendment and Response to Final Office Action 11/20/2020 Notice of Appeal 11/20/2020
106197-1163081/US 003700US	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	62/684,978 6/14/2018			Closed - Expired
106197-1163248/WO 003710PC	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	PCT/US2019/037365 6/14/2019		2019241741 12/19/2019	Published - Demand for Preliminary Examination - LU, TZ, UG 1/14/2020 30 Month National Phase Application (Ch1 or Ch2) 12/14/2020 31 Month National Phase Application (Ch1 or Ch2) 1/14/2021
106197-1163199/US 003710US	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	16/442,376 6/14/2019	10,812,939 10/20/2020	US-2019-0387364-A1 12/19/2019	Issued -
106197-1204130/US 003720US	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	17/071,413 10/15/2020			Pending - Track 1 Preliminary Amendment Due 1/15/2021

106197-1163082/US 003800US	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	62/684,983 6/14/2018			Closed - Expired
106197-1163249/WO 003810PC	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	PCT/US2019/037381 6/14/2019	2019241752 12/19/2019	Published - 30 Month National Phase Application (Ch1 or Ch2) 31 Month National Phase Application (Ch1 or Ch2)	12/14/2020 1/14/2021
106197-1163200/US 003810US	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	16/442,383 6/14/2019	US-2019-0387493-A1 12/19/2019	Published - Non-Final Office Action Response	12/30/2020
106197-1163083/US 003900US	CELL BARRING IN RELAY NODES	Michiel Petrus Lotter	62/696,277 7/10/2018			Closed - Expired
106197-1163250/WO		Michiel Petrus Lotter	PCT/US2019/041132 7/10/2019	WO 2020/014309 1/16/2020	Published - Demand for Preliminary Examination - LU, TZ, UG	2/10/2020

003910PC	CELL BARRING IN RELAY NODES					30 Month National Phase Application (Ch1 or Ch2) 1/10/2021
						31 Month National Phase Application (Ch1 or Ch2) 2/10/2021
106197-1163201/US		Michiel Petrus Lotter	16/507,806		US-2020-0022064-A1	
003910US	CELL BARRING IN RELAY NODES		7/10/2019		1/16/2020	Published -
106197-1163084/US		Michiel Petrus Lotter	62/836,548			
004000US	SYSTEM FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS		4/19/2019			Closed -
106197-1189282/US		Michiel Petrus Lotter	16/853,646		US-2020-0334778-A1	
004010US	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS		4/20/2020		10/22/2020	Published - Completed
106197-1189283/WO		Michiel Petrus Lotter	PCT/US2020/029025		WO2020215095	
004010WO	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO		4/20/2020		10/22/2020	Published - Chapter 1 Reminder (non 30 month Ch1 countries) 11/19/2020 30 Month National Phase Application (Ch1 or Ch2) 10/19/2021

	FIRST RESPONDERS					31 Month National Phase Application (Ch1 or Ch2) 11/19/2021
106197-1163085/US 004100US	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	62/876,008 7/19/2019			Closed -
106197-1199619/WO 004110PCWO	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	PCT/US2020/042617 7/17/2020			Pending - Chapter 1 Reminder (non 30 month Ch1 countries) 2/19/2021 30 Month National Phase Application (Ch1 or Ch2) 1/19/2022 31 Month National Phase Application (Ch1 or Ch2) 2/19/2022
106197-1199618/US 004110US	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	16/932,442 7/17/2020			Pending -
106197-1163086/US 004200US	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	62/897,026 9/6/2019			Closed -
106197-1210245/WO		Jeong Ho Park	PCT/US2020/049524			Pending -

004210PCWO	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION		9/4/2020		Notification of Receipt of Search Copy 9/16/2020 Chapter 1 Reminder (non 30 month Ch1 countries) Demand for Preliminary Examination - LU, TZ, UG 4/6/2021 30 Month National Phase Application (Ch1 or Ch2) 4/6/2021 3/6/2022 31 Month National Phase Application (Ch1 or Ch2) 4/6/2022
106197-1210246/US 004210US	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	17/013,224 9/4/2020		Pending - Corrected Application Papers Response 11/17/2020
106197-1189396/US 004300US	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS	Michiel Petrus Lotter	63/009,887 4/14/2020		Pending - Foreign/Counterpart Filing 4/14/2021
106197-1211609/US 004320US	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS	Michiel Petrus Lotter			Unfiled - Track 1
106197-1192742/US	SYSTEM FOR CONFIGUR	Michiel Petrus Lotter	63/026,568 5/18/2020		Pending - Foreign/Counterpart Filing 5/18/2021

004400US	NG WI-FI ACCESS POINTS					
106197- 1211604/US 004500US	SYSTEM AND METHOD FOR LOCATING A PERSON IN A BUILDING USING WIRELESS REPEATER S					Unfiled -

SCHEDULE II
to
PATENT AND TRADEMARK SECURITY AGREEMENT

Trademarks

See attached.

Title/Literal Element	IP Office	Registration #	Status	Class/Classification Descriptions	Comments	Renewal date
CEL-FI	USPTO (United States)	4635264	Registered - Principal Register	009 - cellular repeaters First use: 12/6/2007 Use in commerce: 12/6/2007	Sections 8&15 filed on Dec.7, 2020	11-Nov-2024
CEL-FI	IPA (Australia)	1516555	Registered	9 - Telecommunication and communication apparatus and instruments; mobile and cellular phones; wireless apparatus and instruments; repeaters; cellular repeaters; and parts, fittings and accessories for the foregoing		26-Sep-2022
CEL-FI	IPONZ (New Zealand)	966542	Registered	9 - Telecommunications hardware; apparatus for recording, transmission or reproduction of sound or images; parts, fittings and accessories in this class for the aforementioned goods; cellular repeaters.		3-Oct-2022
CEL-FI	SAIC (China)	16411688	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		
CEL-FI	WIPO Madrid (WIPO)	1360695	Registered	9 - Cellular repeaters.		5-Jun-2027
CEL-FI	EUIPO (European Union)	6857288	Registered	9 - Apparatus and instruments for conducting, switching, transforming, accumulating, regulating and controlling electricity; apparatus for recording, transmission or reproduction of sound or images; data processing equipment and computers.		23-Apr-2028
CEL-FI	IMPI (Mexico)	1360695	Refused	9 - Cellular repeaters.	Abandon app in favor of CEL-FI QUATRA with revised goods description	
CEL-FI	IP I (India)	1360695	Registered	9 - Cellular repeaters.		5-Jun-2027
CEL-FI	CIPO (Canada)	1851635	Registered	9 - Electrical, scientific and teaching apparatus and software (1) Amplifiers for wireless communications, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.\(2) Cellular repeaters.		28-Mar-2030
CEL-FI	CIPC (South Africa)	2017/15603	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		5-Jun-2027
CEL-FI	ROSPATENT (Russia)	1360695	Registered	9 - Cellular repeaters.		5-Jun-2027
CEL-FI GO	USPTO (United States)	4979787	Registered - Principal Register	009 - Cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers First use: 1/28/2016 Use in commerce: 1/28/2016		14-Jun-2022
CEL-FI GO	IPA (Australia)	1745321	Registered	9 - Cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers		30-Dec-2025
CEL-FI GO	EUIPO (European Union)	14967574	Registered	9 - Cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers.		30-Dec-2025
CEL-FI GO	SAIC (China)	18752071	Registered	9 - Class 9: cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers		6-Fev-2027
CEL-FI GO	CIPC (South Africa)	2016/00179	Registered	9 - Class 9: cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers		4-Jan-2026
CEL-FI QUATRA	IMPI (Mexico)	2339294	Registered	009 - integrated circuits; software; repeaters		4-Mar-2030
CEL-FI SAFE	USPTO (United States)	5210224	Registered - Principal Register	009 - cellular repeaters; power supplies for cellular repeaters First use: 4/1/2016 Use in commerce: 4/1/2016		23-May-2023
INTELLIBOOST	USPTO (United States)	4061225	Section 8 and 15 declarations accepted	009 - cellular repeaters First use: 6/1/2009 Use in commerce: 6/1/2009		22-Nov-2021
NEXTIVITY	SAIC (China)	17295230	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		13-Aug-2026
NEXTIVITY	WIPO Madrid (WIPO)	1360692	Registered	9 - Cellular repeaters.		5-Jun-2027
NEXTIVITY	CIPC (South Africa)	2017/15604	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		5-Jun-2027
NEXTIVITY	USPTO (United States)	3558423	Registered and renewed	009 - cellular repeaters First use: 12/6/2007 Use in commerce: 12/6/2007		8-Jan-2029
NEXTIVITY	IPA (Australia)	1360692	Registered	9 - Cellular repeaters.		5-Jun-2027

NEXTIVITY	CIPO (Canada)	1851636	Registered	9 - Electrical, scientific and teaching apparatus and software 9 (1) Amplifiers for wireless communications, mobile data receivers, cellular repeaters, power supplies for cellular repeaters. (2) Cellular repeaters.		28-Mar-2030
NEXTIVITY	IMPI (Mexico)	1360692	Registered	9 - Cellular repeaters.		5-Jun-2027
NEXTIVITY	EUIPO (European Union)	1360692	Registered	9 - Cellular repeaters.		5-Jun-2027
NEXTIVITY	ROSPATENT (Russia)	1360692	Registered	9 - Cellular repeaters.		5-Jun-2027
NEXTIVITY	IPI (India)	1360692	Registered	9 - Cellular repeaters.		5-Jun-2027
PRO-X	USPTO (United States)	4814796	Registered - Principal Register	009 - cellular repeaters First use: 4/8/2015 Use in commerce: 4/8/2015	Offer from Chinese buyer	15-Sep-2021
QUATRA	USPTO (United States)	5232300	Registered - Principal Register	009 - amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters First use: 9/6/2016 Use in commerce: 10/12/2016		27-Jun-2023
QUATRA	WIPO Madrid (WIPO)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	CIPC (South Africa)	2017/15602	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	IPI (India)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	IPA (Australia)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	SAIC (China)	G1336171	Refused	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.	Abandoned	
QUATRA	ROSPATENT (Russia)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	IPONZ (New Zealand)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	EUIPO (European Union)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.		16-Dec-2026
QUATRA	CIPO (Canada)	1851634	Published	9 - Electrical, scientific and teaching apparatus and software 9 (1) Amplifiers for wireless communications, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.	Must confirm use in Canada & pay registration fee before April 28, 2021	
QUATRA	IMPI (Mexico)	1336171	Refused	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.	Abandon app in favor of CEL-FI QUATRA with revised goods description	
SMARTSIGNAL BOOSTER	USPTO (United States)	4765094	Registered - Principal Register	009 - Cellular repeaters First use: 9/1/2014 Use in commerce: 9/1/2014		30-Jun-2021
SUPERCELL	USPTO (United States)	5845854	Registered - Principal Register	009 - amplifiers for wireless communication, mobile data receivers, cellular repeaters		27-Aug-2025