

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM776251

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
NEXTIVITY, INC.		12/22/2022	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	JPMORGAN CHASE BANK, N.A.		
Street Address:	383 Madison Avenue, 22nd Floor		
City:	New York		
State/Country:	NEW YORK		
Postal Code:	10017		
Entity Type:	National Banking Association: UNITED STATES		
PROPERTY NUMBERS Total: 15			
Property Type	Number	Word Mark	
Registration Number:	4635264	CEL-FI	
Serial Number:	90848990	CEL-FI	
Registration Number:	4979787	CEL-FI GO	
Registration Number:	5210224	CEL-FI SAFE	
Registration Number:	4061225	INTELLIBOOST	
Serial Number:	97214999	INTELLIBOOST	
Registration Number:	3558423	NEXTIVITY	
Registration Number:	4814796	PRO-X	
Serial Number:	97118370	X	
Registration Number:	5232300	QUATRA	
Registration Number:	4765094	SMARTSIGNAL BOOSTER	
Registration Number:	5845854	SUPERCCELL	
Serial Number:	87051850	BOOSTED SUPERCCELL	
Serial Number:	87243933	DYNAMIC BOOSTING TECHNOLOGY	
Registration Number:	4026826	5 BARS IN 5 MINUTES	
CORRESPONDENCE DATA			
Fax Number:			
<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>			

OP \$390.00 4635264

Phone: 2023704750
Email: ipteam@cogencyglobal.com
Correspondent Name: Rodney Boulware
Address Line 1: 1025 Connecticut Ave NW, Suite 712
Address Line 2: COGENCY GLOBAL INC.
Address Line 4: Washington, D.C. 20036

ATTORNEY DOCKET NUMBER:	1866127
NAME OF SUBMITTER:	ANDREW NASH
SIGNATURE:	/ANDREW NASH/
DATE SIGNED:	12/23/2022

Total Attachments: 41

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (“Agreement”) is entered into as of December 22, 2022, by and between JPMORGAN CHASE BANK, N.A. (“Lender”), as the lender party to the Credit Agreement referred to below, and NEXTIVITY, INC., a Delaware corporation, and the other Loan Parties (as defined in the Credit Agreement defined below) (each a “Grantor” and collectively, the “Grantors”).

RECITALS

A. Lender has agreed to make certain advances of money and to extend certain financial accommodation (the “Loans”) to the Loan Parties (as defined in the Credit Agreement), in the amounts and manner set forth in that certain Credit Agreement by and among Lender and the Loan Parties dated as of the same date hereof (as the same may be amended, modified or supplemented from time to time, collectively, the “Credit Agreement”). Lender is willing to make the Loans to the Loan Parties, but only upon the condition, among others, that Grantors shall grant to Lender a security interest in the Collateral, including certain Copyrights, Trademarks, and Patents (as each term is described below) to secure the obligations of each Grantor under the Credit Agreement.

B. Pursuant to the terms of the Pledge and Security Agreement, dated as of the date hereof (as the same may be amended, modified or supplemented from time to time, the “Security Agreement”; capitalized terms used herein are used as defined in the Credit Agreement), by and among Lender and the Loan Parties, each Grantor has granted to Lender a security interest in all of such Grantor’s right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Credit Agreement, each Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

1. Grant of Security Interest. Each Grantor grants and pledges to Lender a security interest in all of such Grantor’s right, title and interest in, to and under its intellectual property (all of which shall collectively be called the “Intellectual Property Collateral”), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the “Copyrights”);

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to such Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the “Patents”);

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of such Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, or Patents; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. The parties hereto authorize and request that the Commissioner of Patents, the Commissioner for Trademarks and the Register of Copyrights of the United States record this security interest in the Intellectual Property Collateral.

3. Authorization. Each Grantor hereby authorizes Lender to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which such Grantor obtains subsequent to the date of this Agreement, and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

4. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Lender with respect to the Intellectual Property Collateral are as provided by the Credit Agreement, Security Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

5. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

6. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

7. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

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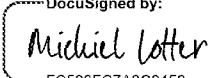
IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTORS:

Address:

16550 West Bernardo Dr., BLD 5, Suite 550
San Diego, CA 92127
Attn: James Chesterton
Email: jchesterton@nextivityinc.com

NEXTIVITY, INC.

DocuSigned by:

By: _____
FC533FC7A3C8458...

Name: Michiel Lotter
Title: Chief Executive Officer

Address:

JPMorgan Chase Bank, N.A.
383 Madison Avenue, 22nd Floor
New York, NY 10017
Attention: Lauren Shake
Email: lauren.shake@jpmorgan.com

LENDER:

JPMORGAN CHASE BANK, N.A.

By: _____

Name: Roshini Naidu
Title: Senior Associate

[Signature Page to Intellectual Property Security Agreement]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTORS:

Address:

16550 West Bernardo Dr., BLD 5, Suite 550
San Diego, CA 92127
Attn: James Chesterton
Email: jchesterton@nextivityinc.com

NEXTIVITY, INC.

By: _____

Name: Michiel Lotter

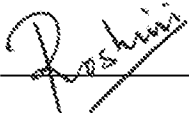
Title: Chief Executive Officer

LENDER:

Address:

JPMorgan Chase Bank, N.A.
383 Madison Avenue, 22nd Floor
New York, NY 10017
Attention: Lauren Shake
Email: lauren.shake@jpmorgan.com

JPMORGAN CHASE BANK, N.A.

By:  _____

Name: Roshini Naidu

Title: Senior Associate

[Signature Page to Intellectual Property Security Agreement]

EXHIBIT A

Copyrights

NONE

<u>Description</u>	Registration/ Application <u>Number</u>	Registration/ Application <u>Date</u>

EXHIBIT B

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163298/CH 000110CH jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06
106197- 1163299/DE 000110DE jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	60 2004 046 972.6 4/8/15	1668781 6/14/06
106197- 1163290/EP 000110EP jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06
106197- 1163300/ES 000110ES jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06
106197- 1163301/FR 000110FR jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06
106197- 1163302/GB 000110GB jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06
106197- 1163303/IE 000110IE jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163304/IT 000110IT jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	04783394.2 9/3/04	1668781 4/8/15	1668781 6/14/06
106197- 1163293/KR 000110KR jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	10-2006- 7006351 9/3/04	0974456 8/2/10	10-2006- 0108610 10/18/06
106197- 1163294/RU 000110RU jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	2006110628 9/3/04	2387075 4/20/10	2006110628 10/20/07
106197- 1163161/US 000110US jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Mohebbi	11/369,231 3/2/06	9,130,641 9/8/15	US 2006- 0172781 A1 8/3/06
106197- 1163310/DE 000210DE jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	60 2005 047 339.4 8/26/15	1711928 10/18/06
106197- 1163311/EP 000210EP jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	1711928 8/26/15	1711928 10/18/06
106197- 1163312/ES 000210ES jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	1711928 8/26/15	1711928 10/18/06
106197- 1163313/FR 000210FR jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	1711928 8/26/15	1711928 10/18/06

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163314/GB 000210GB jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	1711928 8/26/15	1711928 10/18/06
106197- 1163317/HK 000210HK jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	07109877.2 1/11/05	HK1101932 2/5/10	HK1101932 2/5/10
106197- 1163315/IE 000210IE jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	1711928 8/26/15	1711928 10/18/06
106197- 1163316/IT 000210IT jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	05711380.5 1/11/05	1711928 8/26/15	1711928 10/18/06
106197- 1163320/KR 000210KR jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Barjasteh Mohebbi	10-2006- 7016350 1/11/05	10-0974454 8/2/10	10-2007- 0052236 5/21/07
106197- 1163162/US 000210US jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Mohebbi	10/597,119 1/11/05	7,519,323 4/14/09	US 2007- 0155314 A1 7/5/07
106197- 1163163/US 000220US jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad Mohebbi	12/422,221 4/10/09	8,086,174 12/27/11	US 2009- 0325481 A1 12/31/09
106197- 1163164/US 000230US jcleary	SHORT-RANGE CELLULAR BOOSTER	Behzad B. Mohebbi	13/336,995 12/23/11	9,014,621 4/21/15	US 2012- 0100802 A1 4/26/12

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163324/DE 000310DE jcleary	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	07864002.6 11/6/07	6020070400 12.0 1/7/15	2084830 8/5/09
106197- 1163323/EP 000310EP jcleary	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	07864002.6 11/6/07	2084830 1/7/15	2084830 8/5/09
106197- 1163325/FR 000310FR jcleary	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	07864002.6 11/6/07	2084830 1/7/15	2084830 8/5/09
106197- 1163326/GB 000310GB jcleary	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	07864002.6 11/6/07	2084830 1/7/15	2084830 8/5/09
106197- 1163165/US 000310US jcleary	VARIABLE GAIN ANTENNA FOR CELLULAR REPEATER	Behzad B. Mohebbi	11/936,040 11/6/07	8,447,230 5/21/13	US 2008- 0299897 A1 12/4/08
106197- 1163331/DE 000410DE jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	08727785.1 1/16/08	60 2008 003 198.5 10/27/10	2122863 11/25/09
106197- 1163333/EP 000410EP jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	08727785.1 1/16/08	2122863 10/27/10	2122863 11/25/09
106197- 1163334/ES 000410ES jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	08727785.1 1/16/08	2122863 10/27/10	2122863 11/25/09

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106197- 1163336/FR 000410FR jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	08727785.1 1/16/08	2122863 10/27/10	2122863 11/25/09
106197- 1163337/GB 000410GB jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	08727785.1 1/16/08	2122863 10/27/10	2122863 11/25/09
106197- 1163340/IT 000410IT jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	08727785.1 1/16/08	2122863 10/27/10	2122863 11/25/09
106197- 1163166/US 000410US jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	12/015,469 1/16/08	8,081,585 12/20/11	US 2008- 0205261 A1 8/28/08
106197- 1163167/US 000420US jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	13/330,640 12/19/11	8,611,205 12/17/13	US 2012- 0087283 A1 4/12/12
106197- 1163168/US 000430US jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	14/107,977 12/16/13	9,036,536 5/19/15	US 2014- 0098737 A1 4/10/14
106197- 1163354/EP 000510EP jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	07717547.9 2/2/07	1985056 4/10/13	1985056 10/29/08
106197- 1163355/GB 000510GB jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	07717547.9 2/2/07	1985056 4/10/13	1985056 10/29/08

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163169/US 000510US jcleary	SHORT RANGE BOOSTER	Behzad B. Mohebbi	12/279,814 2/2/07	8,452,231 5/28/13	US 2009- 0239521 A1 9/24/09
106197- 1163345/CH 000520CH jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12
106197- 1163346/DE 000520DE jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	60 2007 041 021.5 4/8/15	2464049 6/13/12
106197- 1163347/EP 000520EP jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12
106197- 1163348/ES 000520ES jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12
106197- 1163349/FR 000520FR jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12
106197- 1163350/GB 000520GB jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12
106197- 1163351/IE 000520IE jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163352/IT 000520IT jcleary	SHORT RANGE BOOSTER	Behzad Mohebbi	12001293.5 2/2/07	2464049 4/8/15	2464049 6/13/12
106197- 1163359/CH 000610CH jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	2030331 3/11/15	2030331 3/4/09
106197- 1163361/DE 000610DE jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	60 2007 040 585.8 3/11/15	2030331 3/4/09
106197- 1163362/EP 000610EP jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	2030331 3/11/15	2030331 3/4/09
106197- 1163363/ES 000610ES jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	2030331 3/11/15	2030331 3/4/09
106197- 1163364/FR 000610FR jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	2030331 3/11/15	2030331 3/4/09
106197- 1163366/IE 000610IE jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	2030331 3/11/15	2030331 3/4/09
106197- 1163368/IT 000610IT jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	07776652.5 5/2/07	2030331 3/11/15	2030331 3/4/09

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163369/JP 000610JP jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad Mohebbi	2009- 509697 5/2/07	4997284 5/18/12	2009-535993 10/1/09
106197- 1163170/US 000610US jcleary	FDD/TDD WIRELESS LINK FOR UNII BAND	Behzad B. Mohebbi	11/799,838 5/2/07	8,570,983 10/29/13	US 2007- 0264935 A1 11/15/07
106197- 1163371/AU 000710AU jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	2008245627 4/25/08	2008245627 9/13/12	2008245627 11/6/08
106197- 1163171/US 000710US jcleary	MULTI-HOP BOOSTER	Behzad B. Mohebbi	12/110,259 4/25/08	8,682,311 3/25/14	US 2009- 0036114 A1 2/5/09
106197- 1163380/CH 000810CH jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10
106197- 1163382/DE 000810DE jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	60 2008 049 617.1 4/5/17	2153543 2/17/10
106197- 1163383/EP 000810EP jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10
106197- 1163384/ES 000810ES jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10

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106197- 1163385/FR 000810FR jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10
106197- 1163386/GB 000810GB jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10
106197- 1163387/IE 000810IE jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10
106197- 1163388/IT 000810IT jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	08768113.6 6/2/08	2153543 4/5/17	2153543 2/17/10
106197- 1163172/US 000810US jcleary	SHORT RANGE BOOSTER WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	12/131,839 6/2/08	8,478,191 7/2/13	US 2008- 0299896 A1 12/4/08
106197- 1163377/EP 000820EP jcleary	SHORT RANGE BOOSTER AND METHODS FOR BOOSTING WITH MULTIPLE ANTENNAS	Behzad B. Mohebbi	6/2/08		
106197- 1163396/KR 000910KR jcleary	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	10-2010- 7005818 9/2/08	10-1149279 5/16/12	10-2010- 0049111 5/11/10
106197- 1163173/US 000910US jcleary	OFDM MODEM USING PILOT SUB-CARRIER STRUCTURE	Behzad B. Mohebbi	12/203,106 9/2/08	8,649,447 2/11/14	US 2009- 0060075 A1 3/5/09

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106197- 1163399/CH 001010CH jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	2203989 10/5/16	2203989 7/7/10
106197- 1163401/DE 001010DE jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	60 2008 046 709.0 10/5/16	2203989 7/7/10
106197- 1163402/EP 001010EP jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	2203989 10/5/16	2203989 7/7/10
106197- 1163404/FR 001010FR jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	2203989 10/5/16	2203989 7/7/10
106197- 1163405/GB 001010GB jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	2203989 10/5/16	2203989 7/7/10
106197- 1163406/IE 001010IE jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	2203989 10/5/16	2203989 7/7/10
106197- 1163407/IT 001010IT jcleary	REPEATER SYSTEM FOR USE IN A CDMA UNII LINK AND RELATED METHOD	Behzad B. Mohebbi Louis Botha	08838370.8 10/14/08	2203989 10/5/16	2203989 7/7/10
106197- 1163174/US 001010US jcleary	CDMA UNII LINK	Behzad B. Mohebbi Louis Botha	12/251,420 10/14/08	8,351,366 1/8/13	US 2009- 0129442 A1 5/21/09

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106197- 1163175/US 001210US jcleary	CONTEXT BASED CACHING OF CLOUD DATA	Michiel Petrus Loetter	13/860,128 4/10/13	9,210,563 12/8/15	2014-0032645 1/30/14
106197- 1168788/CH 001310CH jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12
106197- 1168789/DE 001310DE jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	60 2010 053 126.0 8/29/18	2415296 2/8/12
106197- 1163409/EP 001310EP jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12
106197- 1168790/ES 001310ES jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12
106197- 1168791/FR 001310FR jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12
106197- 1168792/GB 001310GB jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12
106197- 1168793/IE 001310IE jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12

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106197- 1168794/IT 001310IT jcleary	HOME-ZONE IDENTIFICATION	Michiel Lotter Behzad Mohebbi Louis Botha Marco Thompson	10739080.9 2/3/10	2415296 8/29/18	2415296 2/8/12
106197- 1163410/CH 001410CH jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12
106197- 1163411/DE 001410DE jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	60 2010 058 149.7 4/10/19	2415184 2/8/12
106197- 1163412/EP 001410EP jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12
106197- 1163413/ES 001410ES jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12
106197- 1163414/FR 001410FR jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12
106197- 1163415/GB 001410GB jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12
106197- 1163416/IE 001410IE jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12

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106197- 1163417/IT 001410IT jcleary	REMOTE CONTROL FOR BOOSTER	Paul Rigatti Michiel Lotter Louis Botha Johan Conroy Behzad Mohebbi	10741823.8 2/12/10	2415184 4/10/19	2415184 2/8/12
106197- 1163176/US 001710US jcleary	DETERMINING THE LOCATION OF A MOBILE TERMINAL IN THE PRESENCE OF A REPEATER	Michiel Petrus Loetter	14/022,719 9/10/13	9,264,851 2/16/16	2014-0073351 3/13/14
106197- 1163418/AU 001810AU jcleary	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Michiel Petrus Lotter Ian Riphagen James Xiaohui Qiu In Kwang Kim	2015219119 2/18/15	2015219119 5/2/19	2015219119 7/7/16
106197- 1163419/CA 001810CA jcleary	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Michiel Petrus Lotter Ian Riphagen James Xiaohui Qiu In Kwang Kim	2,935,443 2/18/15		2935443 8/27/15
106197- 1163420/EP 001810EP jcleary	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Michiel Petrus Lotter Ian Riphagen James Xiaohui Qiu In Kwang Kim	15707492.3 2/18/15		3108595 12/28/16
106197- 1163177/US 001810US jcleary	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Michiel Petrus Lotter Ian Riphagen James Xiaohui Qiu In Kwang Kim	14/625,512 2/18/15	9,979,460 5/22/18	US 2015- 0236776 A1 8/20/15
106197- 1163178/US 001820US jcleary	SYSTEM FOR MAXIMIZING GAIN IN A REPEATER	Michiel Petrus Lotter Ian Riphagen James Xiaohui Qiu In Kwang Kim	15/296,544 10/18/16	9,793,974 10/17/17	2017-0041062 2/9/17
106197- 1163421/AU 001910AU jcleary	INTEGRATED REPEATER	Michiel Petrus Lotter Inkwang Kim Jason Foster Cook	2015256016 5/6/15	2015256016 10/24/19	2015256016 11/10/16

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106197- 1163423/EP 001910EP jcleary	INTEGRATED REPEATER	Michiel Petrus Lotter Inkwang Kim Jason Foster Cook	15722017.9 5/6/15		3140881 3/15/17
106197- 1163179/US 001910US jcleary	INTEGRATED REPEATER	Michiel Petrus Lotter Inkwang Kim Jason Foster Cook	14/705,810 5/6/15	9,961,561 5/1/18	US 2015- 0327077 A1 11/12/15
106197- 1163180/US 001920US jcleary	INTEGRATED REPEATER	Michiel Petrus Lotter Inkwang Kim Jason Foster Cook	15/966,624 4/30/18	10,136,335 11/20/18	2018-0249347 8/30/18
106197- 1163425/AU 002010AU jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	2015256018 5/6/15	2015256018 2/7/19	2015256018 11/10/16
106197- 1163426/CA 002010CA jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	2,947,182 5/6/15	2947182 2/19/19	2947182 11/12/15
106197- 1163427/CH 002010CH jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	3140927 7/3/19	3140927 3/15/17
106197- 1163428/DE 002010DE jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	6020150331 00.1 7/3/19	3140927 3/15/17
106197- 1163429/EP 002010EP jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	3140927 7/3/19	3140927 3/15/17

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106197- 1163430/ES 002010ES jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	3140927 7/3/19	3140927 3/15/17
106197- 1163431/FR 002010FR jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	3140927 7/3/19	3140927 3/15/17
106197- 1163432/GB 002010GB jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	3140927 7/3/19	3140927 3/15/17
106197- 1163433/IE 002010IE jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	3140927 7/3/19	3140927 3/15/17
106197- 1163434/IT 002010IT jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	15723404.8 5/6/15	5020190000 79061 7/3/19	3140927 3/15/17
106197- 1163181/US 002010US jcleary	DETECTING UPLINK REPEATER CAPACITY	Michiel Petrus Lotter Ian Riphagen	14/705,796 5/6/15	9,237,533 1/12/16	US 2015- 0327190 A1 11/12/15
106197- 1163065/US 002100US jcleary	ENCLOSURE FOR MULTI-FREQUENCY BAND SIGNAL BOOSTER SYSTEM	Michiel Petrus Lotter	29/516,180 1/29/15	D795,210 8/22/17	
106197- 1163435/AU 002210AU jcleary	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	2015301469 8/14/15	2015301469 12/12/19	2015301469 2/9/17

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106197-1163182/US 002210US jcleary	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	14/827,063 8/14/15	9,397,743 7/19/16	US 2016-0050009 A1 2/18/16
106197-1163183/US 002220US jcleary	SYSTEM FOR COUPLING WIRELESS REPEATER DONOR AND SERVER UNITS OVER CABLE	Michiel Petrus Lotter	15/214,365 7/19/16	10,044,431 8/7/18	US 2016-0329951 A1 11/10/16
106197-1163184/US 002310US jcleary	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	14/931,801 11/3/15	10,454,563 10/22/19	US 2016-0128068 A1 5/5/16
106197-1172330/AU 002320AU jcleary	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	2019284007 11/3/15		1/23/20
106197-1298423/AU 002330AU jcleary	SYSTEM AND METHOD FOR ASSIGNING FREQUENCY RESOURCES IN A THREE-HOP REPEATER	Michiel Petrus Lotter	2022200395 11/3/15		
106197-1163442/CA 002410CA jcleary	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	2,966,763 11/6/15		2966763 5/12/16
106197-1163443/EP 002410EP jcleary	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	15795320.9 11/6/15		3216137 9/13/17
106197-1163185/US 002410US jcleary	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	14/935,284 11/6/15	9,780,863 10/3/17	US 2016-0134355 A1 5/12/16

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106197- 1170869/AU 002420AU jcleary	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	2019280048 11/6/15		
106197- 1271904/AU 002430AU jcleary	SYSTEM AND METHOD FOR SELECTING AN OPERATOR TO BOOST IN A REPEATER	Michiel Petrus Lotter	2021232827 11/6/15		
106197- 1163445/CA 002610CA jcleary	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Michiel Petrus Lotter Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	2,981,790 4/6/16		2981790 10/13/16
106197- 1163446/EP 002610EP jcleary	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Michiel Petrus Lotter Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	16718087.6 4/6/16		3281303 2/14/18
106197- 1163187/US 002610US jcleary	INTEGRATED POWER SUPPLY AND ANTENNA FOR REPEATER	Michiel Petrus Lotter Jason Foster Cook Richard Jacques Fortier In Kwang Kim Ian Riphagen James Xiaohui Qiu	15/092,556 4/6/16	10,750,427 8/18/20	US 2016- 0295495 A1 10/6/16
106197- 1163447/AU 002710AU jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	2016246600 4/6/16	2016246600 8/27/20	2016246600 10/26/17
106197- 1163448/CA 002710CA jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	2,981,958 4/6/16		2981958 10/13/16

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106197- 1163449/CH 002710CH jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	3281305 3/23/22	3281305 2/14/18
106197- 1163449/DE 002710DE jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	6020160702 45.2 3/23/22	3281305 2/14/18
106197- 1163449/EP 002710EP jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	3281305 3/23/22	3281305 2/14/18
106197- 1163449/ES 002710ES jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	3281305 3/23/22	3281305 2/14/18
106197- 1163449/FR 002710FR jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	3281305 3/23/22	3281305 2/14/18
106197- 1163449/GB 002710GB jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	3281305 3/23/22	3281305 2/14/18
106197- 1163449/IE 002710IE jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	3281305 3/23/22	3281305 2/14/18
106197- 1163449/IT 002710IT jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	16720223.3 4/6/16	5020220000 38186 3/23/22	3281305 2/14/18

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106197- 1163188/US 002710US jcleary	SYSTEM FOR DYNAMICALLY CONTROLLING THE GAIN OF A REPEATER	Ian Riphagen	15/092,564 4/6/16	9,882,627 1/30/18	US 2016- 0294467 A1 10/6/16
106197- 1163189/US 002810US jcleary	METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL CODING	Francis Swarts Andrew Christopher Du Preez	15/201,158 7/1/16	10,218,465 2/26/19	US 2017- 0005755 A1 1/5/17
106197- 1163454/CA 002910CA jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	2,994,674 8/3/16		2994674 2/9/17
106197- 1163455/CH 002910CH jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18
106197- 1163455/DE 002910DE jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	6020160306 09.3 2/26/20	3332574 6/13/18
106197- 1163455/EP 002910EP jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18
106197- 1163455/ES 002910ES jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18
106197- 1163455/FR 002910FR jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18

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106197- 1163455/GB 002910GB jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18
106197- 1163455/IE 002910IE jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18
106197- 1163455/IT 002910IT jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16751760.6 8/3/16	3332574 2/26/20	3332574 6/13/18
106197- 1163190/US 002910US jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	15/227,915 8/3/16	10,045,225 8/7/18	US 2017- 0041807 A1 2/9/17
106197- 1220077/AU 002920AU jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	2020264308 8/3/16		
106197- 1163191/US 002920US jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	16/017,044 6/25/18	10,405,195 9/3/19	2018-0317096 11/1/18
106197- 1342731/AU 002930AU jcleary	DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS	Michiel Petrus Lotter	2022211860 8/3/16		
106197- 1163456/AU 003010AU jcleary	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	2018207284 1/10/18		2018207284 8/1/19

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163457/CA 003010CA jcleary	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	3,049,772 1/10/18		3049772 7/19/18
106197- 1163458/EP 003010EP jcleary	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	18702004.5 1/10/18		3568927 11/20/19
106197- 1163192/US 003010US jcleary	REAL TIME ADAPTATION OF A MOBILE REPEATER ANTENNA PATTERN	Michiel Petrus Lotter	15/867,551 1/10/18		US 2018- 0199326 A1 7/12/18
106197- 1163193/US 003110US jcleary	MANAGING THE BEAM DIRECTION OF THE DONOR ANTENNA OF A MOBILE REPEATER	Michiel Petrus Lotter	15/867,580 1/10/18	10,348,393 7/9/19	US 2018- 0198515 A1 7/12/18
106197- 1163459/AU 003210AU jcleary	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	2018289403 6/19/18	2018289403 11/25/21	2018289403 2/13/20
106197- 1163460/CA 003210CA jcleary	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	3067830 6/19/18		3067830 12/27/18
106197- 1163461/EP 003210EP jcleary	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	18740387.8 6/19/18	3642973 6/1/22	3642973 4/29/20
106197- 1163194/US 003210US jcleary	SELECTING RELAY FREQUENCIES IN A REPEATER	Michiel Petrus Lotter	16/012,089 6/19/18	10,904,808 1/26/21	US 2018- 0376391 A1 12/27/18

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1163462/AU 003310AU jcleary	SELECTING RELAY FREQUENCIES IN A MOBILE REPEATER	James Xiaohui Qiu Johan Conroy Michiel Petrus Lotter	2018289406 6/19/18	2018289406 11/11/21	2018289406 12/27/18
106197- 1163463/CA 003310CA jcleary	SELECTING RELAY FREQUENCIES IN A MOBILE REPEATER	James Xiaohui Qiu Johan Conroy Michiel Petrus Lotter	3068255 6/19/18		3068255 12/27/18
106197- 1163464/EP 003310EP jcleary	SELECTING RELAY FREQUENCIES IN A MOBILE REPEATER	James Xiaohui Qiu Johan Conroy Michiel Petrus Lotter	18739692.4 6/19/18		3642972 4/29/20
106197- 1163195/US 003310US jcleary	SELECTING RELAY FREQUENCIES IN A MOBILE REPEATER	James Xiaohui Qiu Johan Conroy Michiel Petrus Lotter	16/012,104 6/19/18	11,245,582 2/8/22	US 2018- 0375725 A1 12/27/18
106197- 1172179/AU 003410AU jcleary	LOW POWER CELLULAR BASE STATION	Michiel Petrus Lotter	2018297343 7/6/18	2018297343 12/2/21	2018297343 2/13/20
106197- 1172178/CA 003410CA jcleary	LOW POWER CELLULAR BASE STATION	Michiel Petrus Lotter	3069133 7/6/18		3069133 1/10/19
106197- 1172180/EP 003410EP jcleary	LOW POWER CELLULAR BASE STATION	Michiel Petrus Lotter	18828719.7 7/6/18		3649808 5/13/20
106197- 1163196/US 003410US jcleary	LOW POWER CELLULAR BASE STATION	Michiel Petrus Lotter	16/029,378 7/6/18	10,667,210 5/26/20	US 2019- 0075516 A1 3/7/19

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1282303/AU 003411AU jcleary	LOW POWER CELLULAR BASE STATION	Michiel Petrus Lotter	2021269425 7/6/18		
106197- 1163197/US 003510US jcleary	A METHOD FOR OPTIMIZING THE ANTENNA CONFIGURATION OF A BOOSTER	Michiel Petrus Lotter	16/128,240 9/11/18	11,017,285 5/25/21	US 2019- 0080221 A1 3/14/19
106197- 1202664/AU 003610AU jcleary	LOW POWER LOT BOOSTER NETWORK	Michiel Petrus Lotter	2019208328 1/18/19		2019208328 7/30/20
106197- 1202669/CA 003610CA jcleary	LOW POWER IOT BOOSTER NETWORK	Michiel Petrus Lotter	3,088,668 1/18/19		3088668 7/25/19
106197- 1202670/EP 003610EP jcleary	LOW POWER LOT BOOSTER NETWORK	Michiel Petrus Lotter	19741452.7 1/18/19		3741143 11/25/20
106197- 1163198/US 003610US jcleary	LOW POWER IOT BOOSTER NETWORK	Michiel Petrus Lotter	16/252,438 1/18/19		US 2019- 0230518 A1 7/25/19
106197- 1294962/AU 003611AU jcleary	LOW POWER IOT BOOSTER NETWORK	Michiel Petrus Lotter	2022200205 1/18/19		
106197- 1225340/AU 003710AU jcleary	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	2019287776 6/14/19		2019287776 2/4/21

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106197- 1225341/CA 003710CA jcleary	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michael Petrus Lotter	3,103,804 6/14/19		3103804 12/19/19
106197- 1225342/EP 003710EP jcleary	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	19819481.3 6/14/19		3807670 4/21/21
106197- 1163199/US 003710US jcleary	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	16/442,376 6/14/19	10,812,939 10/20/20	US-2019- 0387364-A1 12/19/19
106197- 1204130/US 003720US CSchaffe	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	17/071,413 10/15/20	11,096,014 8/17/21	US-2021- 0029511-A1 1/28/21
106197- 1247455/US 003730US jcleary	IN-BUILDING TRACKING SYSTEM FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	17/403,591 8/16/21		US-2021- 0377701-A1 12/2/21
106197- 1225550/AU 003810AU jcleary	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	2019287787 6/14/19		2019287787 2/4/21
106197- 1225548/CA 003810CA jcleary	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	3103801 6/14/19		3103801 12/19/19
106197- 1225546/EP 003810EP jcleary	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	19820504.9 6/14/19		3807734 4/21/21

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197-1163200/US 003810US jcleary	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	16/442,383 6/14/19	11,019,593 5/25/21	US-2019-0387493-A1 12/19/19
106197-1238739/US 003820US jcleary	INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	17/328,981 5/24/21		US-2021-0352611-A1 11/11/21
106197-1225555/AU 003910AU jcleary	CELL BARRING IN RELAY NODES	Michiel Petrus Lotter	2019301650 7/10/19		2019301650 3/4/21
106197-1225557/CA 003910CA jcleary	CELL BARRING IN RELAY NODES	Michiel Petrus Lotter	3,106,156 7/10/19		3106156 1/16/20
106197-1225556/EP 003910EP jcleary	CELL BARRING IN RELAY NODES	Michiel Petrus Lotter	19833520.0 7/10/19		3821647 5/19/21
106197-1163201/US 003910US jcleary	CELL BARRING IN RELAY NODES	Michiel Petrus Lotter	16/507,806 7/10/19	11,147,007 10/12/21	US-2020-0022064-A1 1/16/20
106197-1277010/AU 004010AU jcleary	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS	Michiel Petrus Lotter	2020258528 4/20/20		2020258528 12/16/21
106197-1277013/CA 004010CA jcleary	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS	Michiel Petrus Lotter	3,137,129 4/20/20		

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1277041/EP 004010EP jcleary	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS	Michiel Petrus Lotter	20790973.0 4/20/20		3956685 2/23/22
106197- 1189282/US 004010US jcleary	SYSTEMS AND METHODS FOR PROVIDING SITUATIONAL AWARENESS TO FIRST RESPONDERS	Michiel Petrus Lotter	16/853,646 4/20/20		US-2020- 0334778-A1 10/22/20
106197- 1293228/AU 004110AU jcleary	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	2020316336 7/17/20		2020316336 3/10/22
106197- 1293224/CA 004110CA jcleary	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	3148059 7/17/20		
106197- 1293226/EP 004110EP jcleary	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	20843352.4 7/17/20		4000187 5/25/22
106197- 1199618/US 004110US jcleary	SYSTEM AND METHOD FOR SELECTING A FREQUENCY TO BOOST IN A REPEATER	Michiel Petrus Lotter	16/932,442 7/17/20		US-2021- 0022014-A1 1/21/21
106197- 1302549/AU 004210AU jcleary	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	2020343678 9/4/20		2020343678 4/21/22
106197- 1302548/CA 004210CA jcleary	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	3153478 9/4/20		

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197-1302550/EP 004210EP jcleary	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	20861128.5 9/4/20		EP4026285 7/13/22
106197-1210246/US 004210US jcleary	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	17/013,224 9/4/20		US-2021-0075465-A1 3/11/21
106197-1290508/US 004220US jcleary	HYBRID RADIO FREQUENCY COMBINING SYSTEM WITH SIGNAL CANCELLATION	Jeong Ho Park	17/553,153 12/16/21		US-2022-0109465-A1 4/7/22
106197-1288443/WO 004320PCWO jcleary	SYSTEMS AND METHODS FOR PROVIDING ENVIRONMENTAL DATA TO FIRST RESPONDERS	Michiel Petrus Lotter	PCT/US202 2/011167 1/4/22		WO 2022/147558 7/7/22
106197-1211609/US 004320US CSchaffe	SYSTEMS AND METHODS FOR PROVIDING ENVIRONMENTAL DATA TO FIRST RESPONDERS	Michiel Petrus Lotter	17/141,180 1/4/21		US-2022-0103914-A1 3/31/22
106197-1247422/WO 004410PCWO jcleary	SYSTEM FOR CONFIGURING WI-FI ACCESS POINTS	Michiel Petrus Lotter	PCT/US202 1/033036 5/18/21		WO 2021/236692 11/25/21
106197-1247423/US 004410US jcleary	SYSTEM FOR CONFIGURING WI-FI ACCESS POINTS	Michiel Petrus Lotter	17/324,028 5/18/21		US-2021-0359907-A1 11/18/21
106197-1211604/US 004500US CSchaffe	SYSTEM AND METHOD FOR LOCATING A PERSON IN A BUILDING USING WIRELESS REPEATERS				

File Number / Country IP Family Number Working Attorney(s)	Title	Inventors	App No. Filing Date	Pat No. Issue Date	Pub No. Pub Date
106197- 1242617/US 004600US CWethera	SENSING AND COMMUNICATING SITUATIONAL AWARENESS DATA WITH DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	17/384,331 7/23/21		US-2021- 0352612-A1 11/11/21
106197- 1336487/WO 004600WO jcleary	SENSING AND COMMUNICATING SITUATIONAL AWARENESS DATA WITH DISTRIBUTED ANTENNA SYSTEMS	Michiel Petrus Lotter	PCT/US202 2/037681 7/20/22		
106197- 1254227/US 004700US jcleary	A SYSTEM FOR MANAGING SPECTRUM MICRO LEASES				
106197- 1334973/US 004800US jcleary	SYSTEM AND METHOD FOR EQUALIZING OUTPUT POWER OF A REPEATER	Michiel Petrus Lotter	63/357,881 7/1/22		
	System for Providing Internet Access Using Mobile Phones		15061892 Mar 4, 2016		20160262192 Sep 8, 2016
	DEVICE FOR USING WIND POWER HAVING AT LEAST ONE ROTOR		14002719 Oct 31, 2013		20140050588 Feb 20, 2014

EXHIBIT C

Trademarks

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
CEL-FI	USPTO (United States)	4635264	Registered	009 - cellular repeaters First use: 12/6/2007 Use in commerce: 12/6/2007
CEL-FI	USPTO (United States)	90848990	Pending	009 - Radio communications apparatus, namely, radio telephones and radio transceivers; replacement parts therefor and accessories, namely, antennas. First use: 12/6/2007 Use in commerce: 12/6/2007
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
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.
CEL-FI	SAIC (China)	16411688	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
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.
CEL-FI	UKIPO (United Kingdom)	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.
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.
CEL-FI	CIPC (South Africa)	2017/1560 3	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.
CEL-FI	IPI (India)		Registered	
CEL-FI	IMPI (Mexico)		Refused	
CEL-FI	ROSPATEN T (Russia)		Registered	

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
CEL-FI GO	USPTO (United States)	4979787	Registered	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
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
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
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.
CEL-FI GO	UKIPO (United Kingdom)	14967574	Registered	9 - Cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers.
CEL-FI GO	CIPC (South Africa)	2016/0017 9	Registered	9 - Class 9: cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
CEL-FI QUATRA	IMPI (Mexico)	2339294	Registered	009 - integrated circuits; software; repeaters
CEL-FI SAFE	USPTO (United States)	5210224	Registered	009 - cellular repeaters; power supplies for cellular repeaters First use: 4/1/2016 Use in commerce: 4/1/2016
INTELLIBOOST	USPTO (United States)	4061225	Registered	009 - cellular repeaters First use: 6/1/2009 Use in commerce: 6/1/2009
INTELLIBOOST	USPTO (United States)	97214999	Registered	009 - chipsets First use: 06/1/2009 Use in commerce: 06/1/2009
INTELLIBOOST	WIPO Madrid (WIPO)	1674673	Registered	9 - Chipsets
	IPA (Australia)		Published	
	CIPO (Canada)		Pending	
	SAIC (China)		Pending	
	EUIPO (European Union)		Published	
	UKIPO (United Kingdom)		Pending	
	DGIP (Indonesia)		Pending	
	IPI (India)		Pending	
	IMPI (Mexico)		Pending	

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
	(MYIPO) Malaysia		Pending	
	IPONZ (New Zealand)		Pending	
	Philippines		Pending	
NEXTIVITY	USPTO (United States)	3558423	Registered	009 - cellular repeaters First use: 12/6/2007 Use in commerce: 12/6/2007
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.
NEXTIVITY	SAIC (China)	17295230	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.
NEXTIVITY	CIPC (South Africa)	2017/1560 4	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.
NEXTIVITY	WIPO Madrid (WIPO)	1360692	Registered	9 - Cellular repeaters.
NEXTIVITY	IPA (Australia)		Registered	
NEXTIVITY	IMPI (Mexico)		Registered	
NEXTIVITY	EUIPO (European Union)		Registered	

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
NEXTIVITY	UKIPO (United Kingdom)		Registered	
NEXTIVITY	ROSPATENT (Russia)		Registered	
NEXTIVITY	IPI (India)		Registered	
PRO-X	USPTO (United States)	4814796	Registered	009 - cellular repeaters First use: 4/8/2015 Use in commerce: 4/8/2015
	USPTO (United States)	97118370	Pending	009 - cellular repeaters; boosters that amplify signals to and from wireless communication devices; amplifiers for wireless communications; mobile data receivers; power supplies for cellular repeaters; radio communications apparatus, namely, radio telephones and radio transceivers; replacement parts therefore and accessories, namely, antennas.
QUATRA	USPTO (United States)	5232300	Registered	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
QUATRA	CIPO (Canada)	1851634	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.

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
QUATRA	CIPC (South Africa)	2017/1560 2	Registered	9 - Class 09: Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.
QUATRA	WIPO Madrid (WIPO)	1336171	Registered	9 - Amplifiers for wireless communication, mobile data receivers, cellular repeaters, power supplies for cellular repeaters.
QUATRA	IPI (India)		Registered	
QUATRA	IPA (Australia)		Registered	
QUATRA	SAIC (China)		Refused	
QUATRA	EUIPO (European Union)		Registered	
QUATRA	UKIPO (United Kingdom)		Registered	
QUATRA	IMPI (Mexico)		Refused	
QUATRA	IPONZ (New Zealand)		Registered	
QUATRA	ROSPATENT (Russia)		Registered	
SMARTSIGNAL BOOSTER	USPTO (United States)		4765094	
SUPERCELL	USPTO (United States)	5845854	Registered	009 - amplifiers for wireless communication, mobile data receivers, cellular repeaters
Boosted Supercell	USPTO (United States)	87051850	Pending	
DYNAMIC BOOSTING TECHNOLOGY	USPTO (United States)	87243933	Pending	

Title/Literal Element	IP Office	App# / Reg#	Status	Class/Classification Descriptions
5 Bars in 5 Minutes	USPTO (United States)	4026826	Registered	