

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3920227

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ACKNOWLEDGMENT OF RELEASE OF SECURITY INTEREST IN PATENTS	
CONVEYING PARTY DATA		
	Name	Execution Date
	CRAIG C. BARTO, TRUSTEE OF THE CRAIG C. AND GISELE M. BARTO LIVING TRUST DATED 4/5/1991	05/12/2016
	JERREL C. BARTO, TRUSTEE OF THE JERREL C. AND JANICE D. BARTO LIVING TRUST DATED 3/18/1991	05/11/2016
RECEIVING PARTY DATA		
Name:	RFAXIS, INC.	
Street Address:	36 TECHNOLOGY	
City:	IRVINE	
State/Country:	CALIFORNIA	
Postal Code:	92618	
PROPERTY NUMBERS Total: 69		
Property Type	Number	
Patent Number:	8019289	
Patent Number:	8073400	
Patent Number:	8073401	
Patent Number:	8078119	
Patent Number:	8135355	
Patent Number:	8140025	
Patent Number:	8175541	
Patent Number:	8265567	
Patent Number:	8301084	
Patent Number:	8325632	
Patent Number:	8374557	
Patent Number:	8417286	
Patent Number:	8467738	
Patent Number:	8649739	
Patent Number:	8928428	
Patent Number:	9054653	
Patent Number:	9065385	

PATENT

Property Type	Number
Patent Number:	9093734
Patent Number:	9093967
Patent Number:	9143184
Patent Number:	9231680
Application Number:	14260130
Application Number:	14268199
Application Number:	14272747
Application Number:	14327365
Application Number:	14539032
Application Number:	14620604
Application Number:	14805368
Application Number:	14805383
Application Number:	14808898
Application Number:	14810943
Application Number:	14817447
Application Number:	14849936
Application Number:	61150419
Application Number:	61153194
Application Number:	61156954
Application Number:	61175117
Application Number:	61175238
Application Number:	61223164
Application Number:	61292676
Application Number:	61292790
Application Number:	61394455
Application Number:	61426274
Application Number:	61481557
Application Number:	61720125
Application Number:	61751458
Application Number:	61811455
Application Number:	61815670
Application Number:	61819469
Application Number:	61820906
Application Number:	61844232
Application Number:	61903506
Application Number:	61939547
Application Number:	62027636
Application Number:	62028396

Property Type	Number
Application Number:	62029344
Application Number:	62029882
Application Number:	62032941
Application Number:	62048737
Application Number:	62157896
Application Number:	62160936
Application Number:	62222112
Application Number:	62264473
Application Number:	62264480
Application Number:	62264484
Application Number:	62264485
Application Number:	62264750
Application Number:	62264802
Application Number:	12498912

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	PJCT-2016-0041 - RELEASE
NAME OF SUBMITTER:	DONALD BOLLELLA
SIGNATURE:	/Donald Bollella/
DATE SIGNED:	06/15/2016

Total Attachments: 9

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ACKNOWLEDGMENT OF RELEASE OF SECURITY INTEREST IN PATENTS

This Acknowledgment of Release of Security Interest in Patents (this "Acknowledgment of Release") is made by Craig C. Barto, Trustee of the Craig C. and Gisele M. Barto Living Trust Dated 4/5/1991 ("Barto Lender 1"), and Jerrel C. Barto, Trustee of the Jerrel C. and Janice D. Barto Living Trust Dated 3/18/1991 ("Barto Lender 2" and together with Barto Lender 1, the "Barto Lenders").

WHEREAS, concurrent with the execution of this Acknowledgment of Release, the Barto Lenders have executed a Consent, Waiver, and Release (the "Release") pursuant to which the Barto Lenders have released any and all security interests, liens, and all other rights with respect to the assets of RFaxis, Inc., a Delaware corporation ("Grantor"), including without limitation a full release of all interests with respect to the Patent Collateral and the Intellectual Property as such terms are defined in said Release;

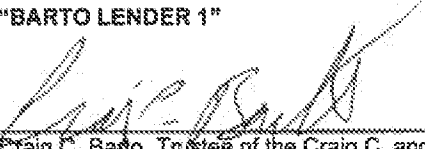
WHEREAS, the Barto Lenders previously filed with the United States Patent and Trademark Office on December 1, 2014 at Reel 34291 and Frame 587 a copy of that certain Amended and Restated Patent Security Agreement dated September 20, 2014 (the "Patent Security Agreement") as evidence of their security interests in the Patent Collateral as then existing; and

WHEREAS, as set forth in the Release, the Barto Lenders hereby wish to acknowledge that the Grantor has no outstanding obligations under the terms of the Patent Security Agreement or any other Barto Loan Documents as defined in the Release, and that any and all security interests of the Barto Lenders in the Patent Collateral have terminated.

NOW THEREFORE, the Barto Lenders hereby acknowledge the termination and release of their security interests in, and all their right, title, and interest in and to, the Patent Collateral, as now including the Patent Assets listed in Schedule A hereto (the "Patent Assets"), and all subsequent derived therefrom including any continuations, divisionals, continuations-in-part, reissues, and any and all foreign counterparts derived therefrom, and the Barto Lenders further authorize the recordation of this Acknowledgment of Release with the United States Patent and Trademark Office to stand in full stead for said concurrently executed Release.

IN WITNESS WHEREOF, the Barto Lenders have caused this Acknowledgment of Release to be duly executed and delivered as of the day and year indicated below.

"BARTO LENDER 1"



 Craig C. Barto, Trustee of the Craig C. and Gisele M. Barto Living Trust Dated 4/5/1991

Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document and not the truthfulness, accuracy, or validity of that document.

State of California)

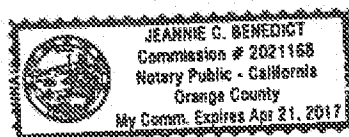
County of Orange)

On this 12th day of May, 2016 before me Jeannie C. Benedict, Notary Public, personally appeared Craig C. Barto, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Official Seal)



Jeannie C. Benedict

 Notary Public

"BARTO LENDER 2"

Jeffrey C. Barto
 Jeffrey C. Barto, Trustee of the Jeffrey C. and Janice
 C. Barto Living Trust Dated 3/18/1991

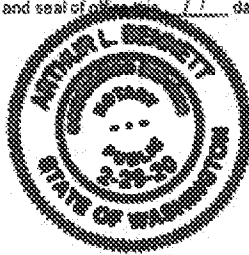
Acknowledgment

State of Washington)
 County of King) ss.

On this day personally appeared before me Jeffrey C. Barto, to me known to be the individual described in and who
 executed the within and foregoing instrument, and acknowledged that he signed the same as his free and voluntary act and deed, for the
 uses and purposes therein mentioned.

Given under my hand and seal of office this 11th day of May, 2016.

(Official Seal)



Arthur L. Barto
 Notary Public

Notary Public in and for the state of Washington residing at
Shoreline, WA
 My Commission expires: 2/27/20

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

1. Title: RADIO FREQUENCY TRANSCEIVER FRONT END CIRCUIT
 (Assignee Reference No. RFAX 091001)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,175,541	12/412,226	2010/0203844 A1
CN	Granted	ZL200980158105.7	20098015810	-
US	Granted	8,265,567	12/412,703	2010/0203847 A1
US	Granted	8,140,025	12/412,715	2010/0203845 A1
US	Granted	8,019,289	12/412,727	2010/0202324 A1
US	Granted	8,136,355	12/412,741	2010/0203846 A1
US	Granted	8,301,084	12/412,759	2010/0203843 A1
WO	Nationalized	-	PCT/US09/38621	2010/090649
EP	Published	-	9839908.4	2394371
IL	Pending	-	214473	-

2. Title: MULTI-MODE RADIO FREQUENCY TRANSCEIVER FRONT END CIRCUIT
 (Assignee Reference No. RFAX 091002)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,073,400	12/428,409	2010/0210299 A1
US	Granted	8,078,119	12/428,417	2010/0210208 A1
US	Granted	8,073,401	12/428,419	2010/0210223 A1
WO	Expired	-	PCT/US09/41834	2010/086071

3. Title: MULTI-CHANNEL RADIO FREQUENCY FRONT END CIRCUIT
 (Assignee Reference No. RFAX 091003)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	9,231,680	12/470,960	2010/0226291 A1
US	Granted	8,325,632	12/498,905	2010/0226292 A1
US	Abandoned	-	12/498,912	2010/0225414 A1
WO	Expired	-	PCT/US09/51808	2010/101564

4. Title: MULTI-MODE RADIO FREQUENCY FRONT END MODULE
 (Assignee Reference No. RFAX 101004)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,467,738	12/772,940	2010/0277252 A1
WO	Nationalized	-	PCT/US10/33593	2010/129585
IL	Granted	216033	216033	-

5. Title: RADIO FREQUENCY FRONT-END CIRCUIT WITH ANTENNA DIVERSITY FOR MULTIPATH MITIGATION (Assignee Reference No. RFAX 101005)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,374,557	12/530,203	2011/0003583 A1
WO	Expired	-	PCT/US10/41088	2011/005777

6. Title: INCREASED RECEIVE SENSITIVITY RADIO FREQUENCY FRONT END INTEGRATED CIRCUITS (Assignee Reference No. RFAX 101006)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,549,739	12/980,794	2011/0165849 A1
WO	Expired	-	PCT/US11/20282	2011/085048

7. Title: TRANSMIT-RECEIVE RADIO FREQUENCY FRONT END INTEGRATED CIRCUITS FOR LAPTOP APPLICATIONS (Assignee Reference No. RFAX 111007)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,417,286	12/986,091	2011/0165848 A1

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

8. Title: RADIO FREQUENCY MULTI-PORT SWITCHES
(Assignee Reference No. RFAX 111008)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	9,143,184	13/273,529	2012/0262217 A1
WO	Expired	-	PCT/US11/56408	2012/054343

9. Title: ON-DIE RADIO FREQUENCY DIRECTIONAL COUPLER
(Assignee Reference No. RFAX 111009)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	8,926,426	13/333,706	2012/0161898 A1
WO	Expired	-	PCT/US11/66855	2012/088423

10. Title: POWER AMPLIFIER WITH CO-EXISTENCE FILTER
(Assignee Reference No. RFAX 121010)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	9,093,967	13/462,737	2012/0280754 A1
WO	Nationalized	-	PCT/US12/36187	2012/151322
CN	Pending	-	20128003290	-
EP	Published	-	12779555.7	2710732
HK	Pending	-	14111352.3	-
JP	Pending	-	2014-509416	-

11. Title: SPUR CANCELLATION IN GSM-GPRS-EDGE POWER AMPLIFIERS WITH DC-DC CONVERTERS (Assignee Reference No. RFAX 131011)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	9,065,385	14/067,548	2014/0118075 A1
WO	Nationalized	-	PCT/US13/67590	2014/070938
CN	Pending	-	2013800589817	-
EP	Published	-	13850773.6	2915249
HK	Pending	16102732	-	-
JP	Pending	-	2015539950	-

12. Title: ON-DIE HARMONICS FILTERING FOR RADIO FREQUENCY POWER AMPLIFIERS
(Assignee Reference No. RFAX 141012)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	9,054,653	14/152,321	2014/0197892 A1
WO	Expired	-	PCT/US14/11132	2014/110435

13. Title: SECOND ORDER HARMONIC CANCELLATION FOR RADIO FREQUENCY FRONT-END SWITCHES (Assignee Reference No. RFAX 141013)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/272,747	2014/0335802 A1

14. Title: MINIATURE RADIO FREQUENCY DIRECTIONAL COUPLER FOR CELLULAR APPLICATIONS (Assignee Reference No. RFAX 141014)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Granted	9,093,734	14/251,197	2014/0306778 A1
WO	Nationalized	-	PCT/US14/33863	2014/169247
EP	Published	-	14782723.2	2984702
JP	Pending	-	2016507892	-

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

15. Title: MULTIPLE BAND MULTIPLE MODE TRANSCEIVER FRONT END FLIP-CHIP ARCHITECTURE AND CIRCUITRY WITH INTEGRATED POWER AMPLIFIERS
 (Assignee Reference No. RFAX 141015)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Allowed	-	14/260,130	2014/0323068 A1
WO	Nationalized	-	PCT/US14/35268	2014/176411
EP	Published	-	14788711.1	2989778

16. Title: COUPLED-RESONATOR ON-DIE FILTERS FOR WIFI APPLICATIONS
 (Assignee Reference No. RFAX 141016)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/268,199	2014/0327497 A1
WO	Published	-	PCT/US2014/36585	2014/179693
EP	Published	-	14791928.6	2992608

17. Title: POWER AMPLIFIER ARCHITECTURES WITH INPUT POWER PROTECTION CIRCUITS (Assignee Reference No. RFAX 141017)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/327,365	2015/0015339 A1
WO	Published	-	PCT/US2014/46043	2015/006505
CN	Pending	-	2014800496931	-
EP	Published	-	14822702.8	3020129

18. Title: QUASI-DIFFERENTIAL RF POWER AMPLIFIER WITH HIGH LEVEL OF HARMONICS REJECTION (Assignee Reference No. RFAX 141018)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/539,032	2015/0130539 A1
WO	Published	-	PCT/US2014/65393	2015/073635

19. Title: ISOLATION METHODS FOR LEAKAGE, LOSS AND NON-LINEARITY MITIGATION IN RADIO-FREQUENCY INTEGRATED CIRCUITS ON HIGH-RESISTIVITY SILICONE-ON-INSULATOR SUBSTRATES (Assignee Reference No. RFAX 151019)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/620,604	2015/0228714 A1
WO	Published	-	PCT/US2015/15910	2015/178976

20. Title: ULTRA-HIGH COUPLING FACTOR MONOLITHIC TRANSFORMERS FOR INTEGRATED DIFFERENTIAL RADIO FREQUENCY AMPLIFIERS IN SYSTEM-ON-CHIP DEVICES (Assignee Reference No. RFAX 151020)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/805,368	2016/0027571 A1

21. Title: ZERO INSERTION LOSS DIRECTIONAL COUPLER FOR WIRELESS TRANSCEIVERS WITH INTEGRATED POWER AMPLIFIERS
 (Assignee Reference No. RFAX 151021)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/805,383	2016/0028146 A1

22. Title: RADIO FREQUENCY SWITCH WITH LOW OXIDE STRESS
 (Assignee Reference No. RFAX 151022)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/808,898	2016/0028391 A1

23. Title: COMPLEMENTARY METAL OXIDE SEMICONDUCTOR DIFFERENTIAL ANTENNA TRANSMIT-RECEIVE SWITCHES WITH POWER COMBINING CIRCUITRY FOR ORTHOGONAL FREQUENCY-DIVISION MULTIPLEXING SYSTEMS (Assignee Reference No. RFAX 151023)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/810,943	2016/0028432 A1

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

24. Title: VOLTAGE MODE POWER COMBINER FOR RADIO FREQUENCY LINEAR POWER AMPLIFIER (Assignee Reference No. RFAX 151024)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/817,447	2016/0036398 A1

25. Title: COMPLEMENTARY METAL OXIDE SEMICONDUCTOR RADIO FREQUENCY POWER AMPLIFIERS WITH HIGH LINEARITY ACROSS A WIDE RANGE OF BURST SIGNALS IN WIFI APPLICATIONS (Assignee Reference No. RFAX 151025)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Published	-	14/849,936	2016/0072444 A1
WO	Published	-	PCT/US2015/49501	2016/040688

26. Title: SINGLE-BAND TRANSMIT-RECEIVE FRONT-END INTEGRATED CIRCUITS FOR TIME-DOMAIN DUPLEX APPLICATIONS (Assignee Reference No. PROV-RFAX-001)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/150,419	-

27. Title: SINGLE-BAND TRANSMIT-RECEIVE IC FOR WLAN AND BLUETOOTH OPERATING WITH SINGLE ANTENNA (Assignee Reference No. PROV-RFAX-002)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/153,194	-

28. Title: DUAL-CHANNEL (DUAL FREQUENCY) HIGH-SENSITIVITY RF FRONT-END ARCHITECTURES FOR WAVE AND OTHER TDD APPLICATIONS (Assignee Reference No. PROV-RFAX-003)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/156,954	-

29. Title: WCDMA-EDGE POWER AMPLIFIER ARCHITECTURES FOR MULTI-MODE HANDSET APPLICATIONS (Assignee Reference No. PROV-RFAX-004)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/175,117	-

30. Title: DUAL-POLE/DUAL-THRU SWITCH CIRCUIT FOR MULTI-MODE WCDMA-EDGE HANDSET APPLICATIONS (Assignee Reference No. PROV-RFAX-005)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/175,238	-

31. Title: RF FRONT-END TRANSMIT-RECEIVE INTEGRATED CIRCUITS (IC) WITH ANTENNA DIVERSITY (Assignee Reference No. PROV-RFAX-006)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/223,164	-

32. Title: TRANSMIT-RECEIVE RF FRONT-END IC CIRCUITS WITH INCREASED RX SENSITIVITY (Assignee Reference No. PROV-RFAX-007)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/292,676	-

33. Title: TRANSMIT-RECEIVE RF FRONT-END INTEGRATED CIRCUITS FOR LAPTOP APPLICATIONS (Assignee Reference No. PROV-RFAX-008)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/292,790	-

34. Title: RF MOS MULTI-PORT SWITCHES (Assignee Reference No. PROV-RFAX-009)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/394,455	-

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

35. Title: ON-DIE RF DIRECTIONAL COUPLER (Assignee Reference No. PROV-RFAX-010)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/426,274	-

36. Title: WLAN POWER AMPLIFIER ARCHITECTURE WITH CO-EXISTENCE FILTER FOR WCDMA HANDSET APPLICATIONS (Assignee Reference No. PROV-RFAX-011)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/481,557	-

37. Title: SPUR CANCELLATION IN GSM-GPRS-EDGE POWER AMPLIFIERS WITH DC-DC CONVERTERS (Assignee Reference No. PROV-RFAX-012)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/720,125	-

38. Title: ON-DIE HARMONICS FILTER FOR RADIO FREQUENCY POWER AMPLIFIERS (Assignee Reference No. PROV-RFAX-013)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/751,458	-

39. Title: MINIATURE RADIO FREQUENCY DIRECTIONAL COUPLER FOR CELLULAR APPLICATIONS (Assignee Reference No. PROV-RFAX-014)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/811,455	-

40. Title: DUAL/MULTI-BAND TRANSCEIVER FRONT END FLIP-CHIP PHYSICAL ARCHITECTURE WITH INTEGRATED POWER AMPLIFIERS (Assignee Reference No. PROV-RFAX-015)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/815,670	-

41. Title: COUPLED-RESONATOR ON-DIE FILTERS FOR WIFI APPLICATIONS (Assignee Reference No. PROV-RFAX-016)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/819,488	-

42. Title: SECOND ORDER HARMONIC CANCELLATION FOR RADIO FREQUENCY FRONT-END SWITCHES (Assignee Reference No. PROV-RFAX-017)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/820,906	-

43. Title: POWER AMPLIFIER ARCHITECTURES WITH INPUT POWER PROTECTION CIRCUITS (Assignee Reference No. PROV-RFAX-018)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/844,232	-

44. Title: QUASI-DIFFERENTIAL RF POWER AMPLIFIER WITH HIGH LEVEL OF HARMONICS REJECTION (Assignee Reference No. PROV-RFAX-019)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/903,506	-

45. Title: ISOLATION METHODS FOR LEAKAGE, LOSS AND NON-LINEARITY MITIGATION IN RADIO FREQUENCY INTEGRATED CIRCUITS ON HIGH-RESISTIVITY SILICONE-ON-INSULATOR SUBSTRATES (Assignee Reference No. PROV-RFAX-020)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	61/938,547	-

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

46. Title: ULTRA-HIGH COUPLING FACTOR MONOLITHIC TRANSFORMERS FOR INTEGRATED DIFFERENTIAL RADIO FREQUENCY AMPLIFIERS IN SYSTEM-ON-CHIP (Assignee Reference No. PROV-RFAX-021)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	62/027,636	-

47. Title: ZERO INSERTION LOSS DIRECTIONAL COUPLER FOR WIRELESS TRANSCEIVERS WITH INTEGRATED POWER AMPLIFIERS (Assignee Reference No. PROV-RFAX-022)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	62/028,396	-

48. Title: RADIO FREQUENCY SWITCH WITH LOW OXIDE STRESS (Assignee Reference No. PROV-RFAX-023)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	62/029,344	-

49. Title: CMOS DIFFERENTIAL ANTENNA TRANSMIT-RECEIVE SWITCHES WITH POWER COMBINING CIRCUITRY FOR OFDM SYSTEM (Assignee Reference No. PROV-RFAX-024)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	62/029,662	-

50. Title: VOLTAGE MODE POWER COMBINER FOR RADIO FREQUENCY LINEAR POWER AMPLIFIER (Assignee Reference No. PROV-RFAX-025)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	62/032,941	-

51. Title: HIGH-LINEARITY CMOS WFI RF POWER AMPLIFIERS IN WIDE RANGE OF BURST SIGNALS (Assignee Reference No. PROV-RFAX-026)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Converted	-	62/048,737	-

52. Title: HIGH GAIN RF POWER AMPLIFIER WITH NEGATIVE CAPACITOR (Assignee Reference No. PROV-RFAX-027)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/160,936	-

53. Title: RF POWER AMPLIFIERS WITH DIODE LINEARIZER (Assignee Reference No. PROV-RFAX-028)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/157,896	-

54. Title: CIRCUIT FOR FAST SWITCHING PA, LNA AND RF SWITCH (Assignee Reference No. PROV-RFAX-029)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/264,473	-

55. Title: LDO FOR HIGHLY LINEAR RF POWER AMPLIFIER (Assignee Reference No. PROV-RFAX-030)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/264,480	-

56. Title: ACTIVE HARMONIC FILTERS FOR INTEGRATED RF POWER AMPLIFIERS (Assignee Reference No. PROV-RFAX-031)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/264,484	-

SCHEDULE A
To the Acknowledgment of Release of Security Interest in Patents
from Barto Lender 1 and Barto Lender 2

57. Title: LNA TRANSISTORS WITH DECREASED NOISE FIGURE AND LEAKAGE IN SOI TECHNOLOGY (Assignee Reference No. PROV-RFAX-032)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/264,485	-

58. Title: HIGH-GAIN LOW NOISE FIGURE CMOS LNA WITH LOW CURRENT CONSUMPTION (Assignee Reference No. PROV-RFAX-033)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/264,750	-

59. Title: WIDE DYNAMIC RANGE BROADBAND CURRENT MODE LINEAR POWER DETECTOR CIRCUITS FOR HIGH POWER RF PA (Assignee Reference No. PROV-RFAX-034)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/264,802	-

60. Title: MODIFIED CURRENT MIRROR CIRCUIT FOR REDUCTION OF SWITCHING TIME (Assignee Reference No. PROV-RFAX-035)

Jurisdiction	Status	Patent Number	Application Number	Publication Number
US	Pending	-	62/222,112	-