PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4078320

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
BANK OF AMERICA N.A., AS COLLATERAL AGENT	09/30/2016

RECEIVING PARTY DATA

Name:	BROADCOM CORPORATION
Street Address:	5300 CALIFORNIA AVENUE
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92617

PROPERTY NUMBERS Total: 128

Property Type	Number
Patent Number:	9397384
Patent Number:	9337903
Patent Number:	9306626
Patent Number:	9300363
Patent Number:	9281874
Patent Number:	9281871
Patent Number:	9280499
Patent Number:	9268932
Patent Number:	9253590
Patent Number:	9231662
Patent Number:	9225393
Patent Number:	9209867
Patent Number:	9185501
Patent Number:	9184798
Patent Number:	9167377
Patent Number:	9160415
Patent Number:	9160288
Patent Number:	9152832
Patent Number:	9119160
Patent Number:	9105965

Property Type	Number
Patent Number:	9065167
Patent Number:	9064253
Patent Number:	9060244
Patent Number:	9054749
Patent Number:	9042814
Patent Number:	9031502
Patent Number:	9026048
Patent Number:	9026047
Patent Number:	9020424
Patent Number:	8957548
Patent Number:	8941497
Patent Number:	8934836
Patent Number:	8929808
Patent Number:	8909184
Patent Number:	8879985
Patent Number:	8874038
Patent Number:	8867990
Patent Number:	8855556
Patent Number:	8849347
Patent Number:	8838047
Patent Number:	8831515
Patent Number:	8831512
Patent Number:	8824961
Patent Number:	8811468
Patent Number:	8769616
Patent Number:	8766801
Patent Number:	8709872
Patent Number:	8674888
Patent Number:	8660604
Patent Number:	8643490
Patent Number:	8620218
Patent Number:	8610579
Patent Number:	8600315
Patent Number:	8548380
Patent Number:	8509356
Patent Number:	8503929
Patent Number:	8463183
Patent Number:	8437706

Property Type	Number
Patent Number:	8432285
Patent Number:	8428512
Patent Number:	8422946
Patent Number:	8369889
Patent Number:	8369390
Patent Number:	8339258
Patent Number:	8338930
Patent Number:	8311504
Patent Number:	8295799
Patent Number:	8285205
Patent Number:	8249650
Patent Number:	8238825
Patent Number:	8237566
Patent Number:	8217492
Patent Number:	8213862
Patent Number:	8207825
Patent Number:	8199017
Patent Number:	8180285
Patent Number:	8175543
Patent Number:	8165552
Patent Number:	8145140
Patent Number:	8121570
Patent Number:	8116401
Patent Number:	8115598
Patent Number:	8093990
Patent Number:	8064949
Patent Number:	8064873
Patent Number:	8064864
Patent Number:	8064533
Patent Number:	8063769
Patent Number:	8032175
Patent Number:	8022825
Patent Number:	8018393
Patent Number:	8005436
Patent Number:	7995971
Patent Number:	7990333
Patent Number:	7965191
Patent Number:	7937107

Property Type	Number
Patent Number:	7933568
Patent Number:	7925222
Patent Number:	7920893
Patent Number:	7907926
Patent Number:	7893878
Patent Number:	7890080
Patent Number:	7890056
Patent Number:	7885683
Patent Number:	7856247
Patent Number:	7706836
Patent Number:	7689195
Patent Number:	7683851
Patent Number:	7679514
Patent Number:	7664461
Patent Number:	7586458
Patent Number:	7583179
Patent Number:	7564302
Patent Number:	7554404
Patent Number:	7515935
Patent Number:	7477917
Application Number:	14874044
Application Number:	14935103
Application Number:	14879765
Application Number:	14853167
Application Number:	14811292
Application Number:	14745940
Application Number:	14729621
Application Number:	14697837
Application Number:	14703405
Application Number:	14695967
Application Number:	14688816
Application Number:	14588095

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	040981-0094
NAME OF SUBMITTER:	ANNA T KWAN
SIGNATURE:	/atk/
DATE SIGNED:	09/30/2016

Total Attachments: 9
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TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS

This TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS (the "Release") is executed as of September 30, 2016, by BANK OF AMERICA, N.A., as Administrative Agent and Collateral Agent under the Credit Agreement referred to below (in such capacity, the "Collateral Agent"), in favor of BROADCOM CORPORATION, a California Corporation (the "Grantor"). Unless otherwise indicated, capitalized terms used herein and not otherwise defined herein shall have the respective meanings provided therefor in the Credit Agreement or Collateral Agreement as referred to below.

WHEREAS, reference is made to (1) that certain Credit Agreement dated as of February 1, 2016 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among Avago Technologies Cayman Holdings Ltd., an exempted company incorporated with limited liability in the Cayman Islands, Avago Technologies Cayman Finance Limited, an exempted company incorporated with limited liability in the Cayman Islands, BC Luxembourg S.à r.l., a private limited liability company (société à responsabilité limitée) incorporated and existing under the laws of Grand Duchy of Luxembourg, having its registered office at 17 Boulevard Royal, L-2449, Grand Duchy of Luxembourg, registered with the Luxembourg Register of Commerce and Companies under number B 201613, the Lenders party thereto and the Collateral Agent and (2) that certain Collateral Agreement dated as of February 1, 2016 (as amended, supplemented or otherwise modified from time to time, the "Collateral Agreement"), among the grantors from time to time party thereto and the Collateral Agent;

WHEREAS, the Grantor and the Collateral Agent executed a certain Patent Security Agreement dated as of February 1, 2016 (the "Patent Security Agreement") pursuant to which the Grantor granted to the Collateral Agent the Security Interest (as defined therein) in all of the Grantor's right, title and interest in, to and under the Patent Collateral (as defined therein), including the United States patents and patent applications listed on Exhibit A (the "Assigned Patents") hereto, as security for the payment or performance, as the case may be, in full of the Secured Obligations (as defined in the Credit Agreement);

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office ("USPTO") on February 11, 2016 at Reel No. 037806 and Frame No. 0001;

WHEREAS the Grantor and NXP B.V., a limited liability company incorporated under the laws of the Netherlands ("NXP"), entered into a certain Asset Purchase Agreement dated as of August 8, 2016 (the "Asset Purchase Agreement");

WHEREAS, in connection with the Asset Purchase Agreement, the Grantor and NXP executed a certain Intellectual Property Agreement dated as of August 8, 2016 (the "Intellectual Property Agreement"); whereby the Grantor has agreed to execute and deliver a certain Patent Assignment (the "Patent Assignment") pursuant to which the Grantor will sell, assign and transfer to NXP, the Grantor's entire right, title and interest in and to the Assigned Patents; and

WHEREAS, the Collateral Agent has agreed to terminate and release its Security Interest solely with respect to the Assigned Patents listed on Exhibit A hereto.

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NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which the parties acknowledge, the Collateral Agent hereby releases, terminates and discharges the Security Interest granted under the Patent Security Agreement solely with respect to the Assigned Patents listed on Exhibit A hereto, and any right, title or interest of the Collateral Agent in such Security Interest shall hereby terminate, cease and become void. This Release does not release, relinquish, discharge or terminate the Collateral Agent's security interest in any Intellectual Property or any other asset of the Grantor other than the Assigned Patents set forth in Exhibit A hereto. The Collateral Agent hereby consents to the recording of this Release with the USPTO and agrees to duly execute and deliver any further documents and do such other acts as may be reasonably necessary to effect the release of the Security Interest solely with respect to the Assigned Patents listed on Exhibit A as contemplated hereby.

[SIGNATURE PAGE FOLLOWS]

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IN **WITNESS WHEREOF**, the undersigned has caused this Release to be duly executed as of the date first written above.

BANK OF AMERICA, N.A.,
As Collateral Agent

By: _____
Name: Joan Mok
Title: Vice President

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[Termination and Release of Security Interest in Patents]

EXHIBIT A

Assigned Patents

PATENT OR PUBLICATION NO.	APPLICATION NO.	TITLE
US7583179	US11/154231	Multi-Protocol Radio Frequency Identification Transceiver
US7689195	US11/154383	Multi-Protocol Radio Frequency Identification Transponder Tranceiver
US8285205	US11/286555	Method And System For A Single Chip Integrated Bluetooth And FM Transceiver And Baseband Processor
US8116401	US11/286947	Method And System For Digital Spur Cancellation
US8811468	US11/286950	Method And System For FM Interference Detection And Mitigation
US8503929	US11/287034	Method And System For Routing FM Data To A Bluetooth Enabled Device Via A Bluetooth Link
US8428512	US11/287044	Method And System For Sharing A Bluetooth Processor For FM Functions
US7706836	US11/287075	Method And System For A Radio Data System (Rds) Demodulator For A Single Chip Integrated Bluetooth And Frequency Modulation (FM) Transceiver And Baseband Processor
US7515935	US11/287120	Method And System For Flexible FM Tuning
US7664461	US11/377812	RFID Reader Architecture
US7477917	US11/377814	RFID Reader Integrated With Wireless Communication Device
US8064949	US11/425558	Method And System For Bluetooth And FM Radio Communication
US8660604	US11/425571	Method And System For A Transceiver For Bluetooth And Near Field Communication (NFC)
US8165552	US11/536663	Method And System For Identifying Radio Frequency Identification (RFID) Tag Location Using A Switchable Coil
US7907926	US11/536676	Method And System For Utilizing An Antenna For Frequency Modulation (FM) Communication, Near Field Communication (NFC) And Radio Frequency Identification (RFID)
US7893878	US11/648826	Integrated Circuit Antenna Structure
US7586458	US11/750091	Method And System For Using A Transformer For FM Transmit And FM Receive Functionality
US7683851	US11/750103	Method And System For Using A Single Transformer For FM Transmit And FM Receive Functions
US7564302	US11/752025	Method And System For Gain Control And Power Saving In Broadband Feedback Low-Noise Amplifiers
US7933568	US11/752754	Method And System For Mitigating Receiver Saturation During Simultaneous FM Transmission And Reception
US8369889	US11/753698	Method And System For Sharing A Single Antenna For Frequency Modulation (FM) Transmission, FM Reception And Near Field Communication (NFC)

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PATENT OR PUBLICATION NO.	APPLICATION NO.	TITLE
US8238825	US11/753708	Method And System For Sharing A Single Antenna For Frequency Modulation (FM) Reception Or FM Transmission And Near Field Communication (NFC)
US7920893	US11/754407	Method And System For Transmission Or Reception Of FM Signals Utilizing A Ddfs Clocked By An RFID Pll
US8600315	US11/754467	Method And System For A Configurable Front End
US7554404	US11/754472	Method And System For A Low Noise Amplifier With Tolerance To Large Inputs
US8175543	US11/754481	Method And System For Wireless Communication Using Integrated Clock Generation For Bluetooth And FM Transmit And FM Receive Functions
US8005436	US11/754490	Method And System For Integrated Bluetooth Transceiver, FM Transmitter And FM Receiver
US7925222	US11/754581	Method And System For Simultaneous FM Transmission And FM Reception Using A Shared Antenna And A Direct Digital Frequency Synthesizer
US7937107	US11/754600	Method And System For Bluetooth, Near Field Communication And Simultaneous FM Transmission And Reception Functions
US7995971	US11/754705	Method And System For Clocking FM Transmit FM Receive, And Near Field Communication Functions Using Ddfs
US7885683	US11/754708	Method And System For Simultaneous FM Transmit And FM Receive Functions Using An Integrated Bluetooth Local Oscillator Generator (Logen)
US8032175	US11/754768	Method And System For Using A Bluetooth PLL To Drive FM Transmit, FM Receive, Bluetooth, And NFC Functions
US8509356	US11/864754	Method And System For Blocker And/Or Leakage Signal Rejection By Dc Bias Cancellation
US7679514	US11/928544	Multi-Mode RFID Tag Architecture
US8207825	US11/941740	RFID Reader With Receiver Clock Derived From Transmitter Output
US8838047	US12/048748	Dynamic RF Front End
US8115598	US12/048786	Near Field Communication Front-End
US8093990	US12/048815	Far Field RFID Reader With Blocking
US8180285	US12/201020	Millimeter Wave Near Field Communication Device
US8063769	US12/210318	Dual Band Antenna And Methods For Use Therewith
US7965191	US12/210564	RFID Integrated Circuit With Integrated Antenna Structure
US8674888	US12/210595	Integrated Circuit With Power Supply Line Antenna Structure And Methods For Use Therewith
US8338930	US12/210648	Integrated Circuit With Electromagnetic Intrachip Communication And Methods For Use Therewith
US8064533	US12/210678	Reconfigurable Mimo Transceiver And Method For Use Therewith
US7856247	US12/345840	RFID Reader Integrated With Wireless Communication Device
US8213862	US12/367234	Headset Charge Via Short-Range RF Communication
US8121570	US12/418448	Method And System For Flexible FM Tuning

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PATENT OR PUBLICATION NO.	APPLICATION NO.	TITLE
US8064864	US12/433100	RFID Using An Hybrid On-Chip-Off-Chip Transformer
US8018393	US12/536059	Method And System For Using A Transformer For FM Transmit And FM Receive Functionality
US7890056	US12/651298	RFID Reader Architecture
US8422946	US12/670320	Near Field RF Communicators
US8022825	US12/695169	Multi-Mode RFID Tag Architecture
US7890080	US12/711934	Multi-Protocol Radio Frequency Identification Transceiver
US8217492	US12/841108	Inductively Coupled Integrated Circuit With Magnetic Communication Path And Methods For Use Therewith
US7990333	US12/917799	Method And System For Equalizing Antenna Circuit Matching Variations
US8064873	US13/016251	Multi-Protocol RF Transceiver
US8311504	US13/047222	Method And System For Utilizing A Frequency Modulation (FM) Antenna System For Near Field Communication (NFC) And Radio Frequency Identification (RFID)
US8437706	US13/080036	Method And System For Transmission Or Reception Of FM Signals Utilizing A Ddfs Clocked By An RFID Pll
US8199017	US13/092256	RFID Integrated Circuit With Integrated Antenna Structure
US8249650	US13/099457	Method And System For Bluetooth, Near Field Communication And Simultaneous FM Transmission And Reception Functions
US8548380	US13/157518	Communications Device For Intelligently Routing Information Among Multiple User Interfaces
US9105965	US13/157572	Touching An Antenna Of A Near Field Communications (NFC) Device To Control Its Operation
US8855556	US13/165456	Methods And Apparatus For Controlling State And Functionality Of An Electronic Component Through Motion-Awareness
US9042814	US13/169609	Measurement And Reporting Of Received Signal Strength In NFC-Enabled Devices
US8879985	US13/170885	Memory Arbitrator For Electronics Communications Devices
US8824961	US13/170999	Method And Apparatus For Reducing NFC Multi-Protocol Polling Duration And Power Consumption
US9209867	US13/171023	Device For Authenticating Wanted NFC Interactions
US8831512	US13/171041	Negotiating Communication Parameters Between Near Field Communications (NFC) Capable Devices
US9026047	US13/172204	Systems And Methods For Providing NFC Secure Application Support In Battery-Off Mode When No Nonvolatile Memory Write Access Is Available
US8874038	US13/172325	Secure Communications Via NFC Device
US8620218	US13/172335	Power Harvesting And Use In A Near Field Communications (NFC) Device
US9054749	US13/172392	Optimizing Power Consumption In A Near Field Communications (NFC) Environment

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PATENT OR PUBLICATION NO.	APPLICATION NO.	TITLE
US8957548	US13/173825	Controlling Antenna Characteristics Of A Near Field Communications (NFC) Device
US8145140	US13/206240	Method And System For Clocking FM Transmit, FM Receive, And Near Field Communication Functions Using Ddfs
US8237566	US13/234632	Multi-Mode RFID Tag Architecture
US9065167	US13/248876	Antenna Modification To Reduce Harmonic Activation
US8929808	US13/249043	Antenna Driver Circuit For NFC Reader Applications
US9152832	US13/250093	Positioning Guidance For Increasing Reliability Of Near-Field Communications
US9119160	US13/250356	Optimization Of NFC Tag For Different Battery Levels
US8831515	US13/271553	Shaped Load Modulation In A Near Field Communications (NFC) Device
US8339258	US13/273819	Dual Band Antenna And Methods For Use Therewith
US8369390	US13/305247	Multimode Transceiver For Use With Multiple Antennas And Method For Use Therewith
US9026048	US13/325675	Detecting A Presence Of Near Field Communications (NFC) Devices
US9064253	US13/335003	Systems And Methods For Providing NFC Secure Application Support In Battery On And Battery Off Modes
US8867990	US13/408149	Detecting A Presence Of Near Field Communications (NFC) Devices
US8769616	US13/412929	Authentication Of Devices In A Wireless Network
US9184798	US13/418174	Near Field Communications (NFC) Device Having Adjustable Gain
US8295799	US13/427493	Method And System For Identifying Radio Frequency Identification (RFID) Tag Location Using A Switchable Coil
US8610579	US13/455104	RFID Integrated Circuit With Integrated Antenna Structure
US9160415	US13/461117	Open-Loop Frequency Lock Methods For Fast Boot-Up Time
US9306626	US13/473222	NFC Device Context Determination Through Proximity Gestural Movement Detection
US8463183	US13/489179	Headset Charge Via Short-Range RF Communication
US9020424	US13/523445	NFC Device Combining Components Of Antenna Driver And Shunt Regulator
US8934836	US13/535874	NFC Device With PLL Controlled Active Load Modulation
US8432285	US13/539652	Multi-Mode RFID Tag Architecture
US9160288	US13/558187	Method And System For Sharing A Single Antenna For Frequency Modulation (FM) Reception Or FM Transmission And Near Field Communication (NFC)
US9185501	US13/594489	Container-Located Information Transfer Module
US9281871	US13/595020	Wireless Power Transfer - Near Field Communication Enabled Communication Device
US9225393	US13/625794	Systems And Methods For Determining Whether A Companion Communication Device Is Beyond A Proximity Of A Primary Communication Device

PATENT OR PUBLICATION NO.	APPLICATION NO.	TITLE
US8709872	US13/627604	Integrated Circuit With Electromagnetic Intrachip Communication And Methods For Use Therewith
US8766801	US13/663427	Dual Band Antenna And Methods For Use Therewith
US8909184	US13/673146	Method And System For Selecting A Wireless Signal Based On An Antenna Or Bias Voltage
US9031502	US13/730760	Antenna Solution For Wireless Power Transfer - Near Field Communication Enabled Communication Device
US9253590	US13/797242	Near Field Communicator Implementing Switched Circuit States For Demodulation
US8643490	US13/855150	Multi-Mode RFID Tag Architecture
US9300363	US14/042254	Communications Device For Intelligently Routing Information Among Multiple User Interfaces
US9060244	US14/079104	Power Harvesting And Use In A Near Field Communications (NFC) Device
US8941497	US14/089164	Multi-Mode RFID Tag Architecture
US8849347	US14/152180	Method And System For A Transceiver For Bluetooth And Near Field Communication (NFC)
US9268932	US14/316731	Authentication Of Devices In A Wireless Network
US9280499	US14/461802	Memory Arbitrator For Electronics Communications Devices
US9167377	US14/478229	Shaped Load Modulation In A Near Field Communications (NFC) Device
US9231662	US14/497692	Secure Communications Via NFC Device
US9281874	US14/577303	NFC Device With PLL Controlled Active Load Modulation
US20150137949	US14/588095	Multi-Mode RFID Tag Architecture
US9337903	US14/657338	Antenna Solution For Wireless Power Transfer-Near Field Communication Enabled Communication Device
US20150229362	US14/688816	Measurement And Reporting Of Received Signal Strength In NFC Enabled Devices
US20150229363	US14/695967	NFC Device Combining Components Of Antenna Driver And Shunt Regulator
US20150244426	US14/697837	Power Harvesting And Use In A Near Field Communications (NFC) Device
US20150237584	US14/703405	Systems And Methods For Providing NFC Secure Application Support In Battery-Off Mode When No Nonvolatile Memory Write Access Is Available
US9397384	US14/714952	Touching An Antenna Of A Near Field Communications (NFC) Device To Control Its Operation
US20150270611	US14/729621	Antenna Modification To Reduce Harmonic Activation
US20150287025	US14/745940	Systems And Methods For Providing NFC Secure Application Support In Battery On And Battery Off Modes
US20150334518	US14/811292	Optimization Of NFC Tag For Different Battery Levels
US20160007281	US14/853167	Open-Loop Frequency Lock Methods For Fast Boot-Up Time
US20160105219	US14/874044	Positioning Guidance For Increasing Reliability Of Near-Field Communications
US20160037288	US14/879765	Container-Located Information Transfer Module

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PATENT OR PUBLICATION NO.	APPLICATION NO.	TITLE
US20160066131	US14/935103	Near Field Communications (NFC) Device Having Adjustable Gain