PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT2607126

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UBIDYNE, INC.	09/24/2013

RECEIVING PARTY DATA

Name:	KATHREIN-WERKE KG
Street Address:	ANTON-KATHREIN STR. 1-3
City:	ROSENHEIM
State/Country:	GERMANY
Postal Code:	83004

PROPERTY NUMBERS Total: 64

Property Type	Number
Patent Number:	8385468
Application Number:	13903067
Application Number:	12577339
Patent Number:	8477871
Patent Number:	8140007
Patent Number:	8396416
Patent Number:	8462881
Patent Number:	8243851
Application Number:	12416626
Application Number:	12563638
Application Number:	12563693
Patent Number:	8036606
Application Number:	13277688
Patent Number:	8009095
Application Number:	13934025

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Patent Number:	8179294
Patent Number:	8384574
Patent Number:	7825842
Application Number:	12339239
Patent Number:	8300724
Patent Number:	8290087
Application Number:	12788850
Patent Number:	8433260
Patent Number:	8467474
Patent Number:	8374826
Patent Number:	8102084
Patent Number:	8339216
Patent Number:	8421554
Patent Number:	8264298
Application Number:	12643572
Patent Number:	8265572
Patent Number:	8396420
Patent Number:	8351543
Application Number:	13915082
Application Number:	13910570
Patent Number:	8400223
Patent Number:	8433242
Application Number:	12648773
Patent Number:	8423028
Application Number:	12648809
Application Number:	12792925
Patent Number:	8340612
Patent Number:	8441966
Patent Number:	8311166
Application Number:	12784745
Application Number:	12817871
Application Number:	12817879
Application Number:	13933479
Application Number:	13887648
Application Number:	13190063

	8354889
Patent Number:	8219057
Patent Number:	8290536
Patent Number:	8355682
Application Number:	12951223
Application Number:	12973160
Application Number:	12973276
Application Number:	13044026
Application Number:	13016417
Application Number:	13016440
Application Number:	13290223
Application Number:	13437435
Application Number:	13927689
Application Number:	12904606

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	SHE/4424-GENERAL MATTERS
NAME OF SUBMITTER:	STEPHEN H. ELAND
Signature:	/Stephen H. Eland/
Date:	11/07/2013

Total Attachments: 16
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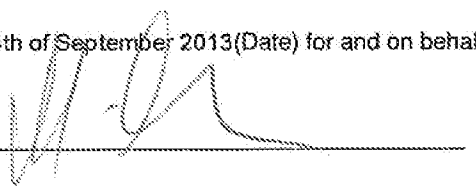
PATENT ASSIGNMENT

WHEREAS, Ubidyne, Inc., a private limited company incorporated and registered in United States of America with offices at c/o The Corporation Trust Company, 1209 Orange Street, WILMINGTON, DE 19801, USA (hereinafter "Assignor"), is the owner of the entire right, title and interest in, to and under the patents and patent applications listed in the enclosed list.

WHEREAS, KATHREIN-Werke KG, a limited liability company incorporated and registered in Germany, having its principal place of business at Anton-Kathrein-Str. 1-3, 83004 Rosenheim, Germany (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in, to and under said patents and patent applications;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the consideration in hand paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, effective 1 July 2013, said Assignor does by these presents hereby sell, assign, transfer and set over to Assignee, its legal representatives, successors and assigns, all of its right, title and interest in and to said patents and applications for Letters Patents, and in and to the subject matter disclosed therein, and any continuations, divisions, renewals, substitutes or reissues thereof, and in and to all Letters Patents Domestic and Foreign issued or to be obtained thereon, including all rights and interests with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Union, European Patent Convention, World Trade Organisation, European Unitary Patent Regulation, or any other Convention or Union for each country of said Convention or Union, the same to be held and enjoyed by Assignee, to the end of the term or terms for which said Letters Patent are or may be granted or reissued as fully and entirely as the same would have been held by said Assignor, had said sale, transfer and assignment not been made; together with all claims for damages by reason of past infringement of said Letters Patents, with a right to sue for, and collect the same for its own use and behoof, and for the use and behoof of its successors, assigns or other legal representatives; and said Assignor does hereby ratify and confirm in all respects the aforesaid sale, transfer and assignment of said inventions, said applications for Letters Patents and said Letters Patents to Assignee.

EXECUTED on 24th of September 2013(Date) for and on behalf Ubidyne, Inc.

By: Signature 

Name: Michael Fränkle

Position: President

ACCEPTED on 24th of September 2013 (Date) for and on behalf KATHREIN-Werke KG

By: Signature

Name: Dr. Michael Weber Frank Ullmann

Position: Chief Technical Officer (CTO) Chief Operating Officer (COO)

KATHREIN-Werke KG
Anton-Kathrein-Str. 1-3
Postfach 100 444
83004 Rosenheim

Enclosure: List of patent application and patents for Assignation

11 September 2013

Enclosure of Assignment Ubidyne – Kathrein

SHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90097GB	2008-004	GB	AN ASYNCHRONOUS DELTA-SIGMA MODULATOR AND A METHOD FOR THE DELTA-SIGMA MODULATION OF AN INPUT SIGNAL	GB 0817575.4	
90097US1	2008-004	US	ASYNCHRONOUS DELTA-SIGMA MODULATOR AND A METHOD FOR THE DELTA-SIGMA MODULATION OF AN INPUT SIGNAL	US 12/566,071	US 8,385,468
90131GB	2008-008	GB	ANTENNA ARRAY	GB 0817616.6	
90131US1	2008-008	US	ANTENNA ARRAY	US 12/566,735	
90131US1C1	2008-008	US	ANTENNA ARRAY	US 13/903,067 Continuation of US 12/566,735	
90132US	2008-009	US	ABSOLUTE TIMING AND TX POWER CALIBRATION OF THE TX PATH IN A DISTRIBUTED SYSTEM	US 12/577,339	
90153DE	2008-016 / 2008-017	DE	FUNKSTATION UND AKTIVES STRAHLERFELD	DE 60 2009 008 348.1	DE 60 2009 008 348
90153EP	2008-016 / 2008-017	EP	A RADIO STATION AND ACTIVE ANTENNA ARRAY	EP 09 179 655.7 - 1233	EP 2 204 903
90153FR	2008-016 / 2008-017	FR	STATION RADIO ET RESEAU D'ANTENNE ACTIF	EP 09 179 655.7 - 1233	EP 2 204 903
90153GB	2008-016 / 2008-017	GB	A RADIO STATION AND ACTIVE ANTENNA ARRAY	EP 09 179 655.7 - 1233	EP 2 204 903
90153US1	2008-016 / 2008-017	US	RADIO STATION AND ACTIVE ANTENNA ARRAY	US 12/648,000	US 8,477,871
90154EP	2008-015	EP	RADIO SYSTEM AND METHOD FOR RELAYING RADIO SIGNALS WITH A POWER CALIBRATION OF TRANSMIT RADIO SIGNALS	EP 10 711 371.4	
90154US	2008-015	US	RADIO SYSTEM AND METHOD FOR RELAYING RADIO SIGNALS WITH A POWER CALIBRATION OF TRANSMIT RADIO SIGNALS	US 12/416,630	US 8,140,007
90154WO	2008-015	WO	RADIO SYSTEM AND METHOD FOR RELAYING RADIO SIGNALS	PCT/EP2010/053694	

AIP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
			WITH A POWER CALIBRATION OF TRANSMIT RADIO SIGNALS		
90155EP	2008-014	EP	A RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	EP 10 711 372.2 - 2411	
90155US	2008-014	US	RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	US 12/416,639	US 8,396,416
90155WO	2008-014	WO	A RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	PCT/EP2010/ 053703	
90164US1	2008-016 / 2008-018	US	METHOD FOR DIGITALLY PREDISTORTING A PAYLOAD SIGNAL AND RADIO STATION INCORPORATING THE METHOD	US 12/648,028	US 8,462,881
90178CN	2008-020	CN	A RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	CN 201080014721.8	
90178EP	2008-020	EP	A RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	EP 10 710 578.5	
90178US	2008-020	US	A RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	US 12/416,596	US 8,243,851
90178WO	2008-020	WO	A RADIO SYSTEM AND A METHOD FOR RELAYING RADIO SIGNALS	PCT/EP2010/053707	
90179EP	2008-021	EP	A RADIO SYSTEM AND A METHOD FOR RELAYING PACKETIZED RADIO SIGNALS	EP 10 711 373.0 - 2415	
90179US	2008-021	US	RADIO SYSTEM AND A METHOD FOR RELAYING PACKETIZED RADIO SIGNALS	US 12/416,626	
90179WO	2008-021	WO	A RADIO SYSTEM AND A METHOD FOR RELAYING PACKETIZED RADIO SIGNALS	PCT/EP2010/053713	

SHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90251CN	2008-026	CN	USER GROUP SPECIFIC BEAM FORMING IN A MOBILE NETWORK	CN 201080041896.8	
90251EP	2008-026	EP	USER GROUP SPECIFIC BEAM FORMING IN A MOBILE NETWORK	EP 10 768 422.7	
90251US	2008-026	US	USER GROUP SPECIFIC BEAM FORMING IN A MOBILE NETWORK	US 12/563,638	
90251WO	2008-026	WO	USER GROUP SPECIFIC BEAM FORMING IN A MOBILE NETWORK	PCT/EP2010/063924	
90253EP	2008-028	EP	ANTENNA ARRAY, NETWORK PLANNING SYSTEM, COMMUNICATION NETWORK AND METHOD FOR RELAYING RADIO SIGNALS WITH INDEPENDENTLY CONFIGURABLE BEAM PATTERN SHAPES USING A LOCAL KNOWLEDGE	EP 10 770 741.6	
90253US	2008-028	US	ANTENNA ARRAY, NETWORK PLANNING SYSTEM, COMMUNICATION NETWORK AND METHOD FOR RELAYING RADIO SIGNALS WITH INDEPENDENTLY CONFIGURABLE BEAM PATTERN SHAPES USING A LOCAL KNOWLEDGE	US 12/563,693	
90253WO	2008-028	WO	ANTENNA ARRAY, NETWORK PLANNING SYSTEM, COMMUNICATION NETWORK AND METHOD FOR RELAYING RADIO SIGNALS WITH INDEPENDENTLY CONFIGURABLE BEAM PATTERN SHAPES USING A LOCAL KNOWLEDGE	PCT/EP2010/063926	
90254US	2008-029	US	A METHOD AND APPARATUS FOR INTERFERENCE CANCELLATION	US 12/364,662	US 8,036,606
90255US	2008-030	US	DELTA-SIGMA MODULATOR WITH FEEDBACK SIGNAL MODIFICATION	US 13/277,688	
90474GB	2007-014	GB	RECEIVER FOR ANALOGUE RADIO FREQUENCY SIGNAL AND METHOD FOR PROCESSING ANALOGUE RADIO FREQUENCY SIGNAL	GB 0811629.5	GB 2461280

3IP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90475US2	2007-013	US	ANTENNA ARRAY AND A METHOD FOR CALIBRATION THEREOF	US 12/487,304	US 8,009,095
90477DE2	2007-007	DE	GRUPPENANTENNENANORDNUNG UND ZUGEHÖRIGES VERFAHREN	DE 60 2009 001 441.2	DE 60 2009 001 441
90477EP	2007-007	EP	ANTENNA ARRAY AND CORRESPONDING METHOD	EP 09 156 963.2	EP 2 107 637
90477FR2	2007-007	FR	RESEAUX D´ANTENNE ET PROCEDE CORRESPONDANT	EP 09 156 963.2	EP 2 107 637
90477GB2	2007-007	GB	ANTENNA ARRAY AND CORRESPONDING METHOD	EP 09 156 963.2	EP 2 107 637
90477SE2	2007-007	SE	ANTENNA ARRAY AND CORRESPONDING METHOD	EP 09 156 963.2	EP 2 107 637
90477US1	2007-007	US	METHOD AND APPARATUS FOR POWER LOSS COMPENSATION AND SUPPRESSION OF SIDELOBES IN ANTENNA ARRAYS	US 12/415,195	
90477US1C1	2007-007	US	METHOD AND APPARATUS FOR POWER LOSS COMPENSATION AND SUPPRESSION OF SIDELOBES IN ANTENNA ARRAYS	US 13/934,025 Continuation of US 12/415,195	
90479CN2	2007-008/2008-007	CN	A CALIBRATION APPARATUS AND A METHOD FOR GENERATING FOR AT LEAST ONE CALIBRATION SIGNAL FOR AN ANTENNA ARRAY	CN 200980147306.7	
90479EP2	2007-008/2008-007	EP	A CALIBRATION APPARATUS AND A METHOD FOR GENERATING AT LEAST ONE CALIBRATION SIGNAL FOR AN ANTENNA ARRAY	EP 09 765 071.7 - 1246	
90479GB	2007-008/2008-007	GB	A CALIBRATION APPARATUS AND A METHOD FOR GENERATING AT LEAST ONE CALIBRATION SIGNAL FOR AN ANTENNA ARRAY	GB 0821580.8	GB 2465752
90479WO	2007-008/2008-007	WO	A CALIBRATION APPARATUS AND A METHOD FOR GENERATING FOR AT LEAST ONE CALIBRATION SIGNAL FOR AN ANTENNA ARRAY	PCT/EP2009/065885	

IHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90481GB	2007-012	GB	APPARATUS AND METHOD FOR THE CALIBRATION OF DELTA-SIGMA MODULATORS	GB 0817569.7	
90481US1	2007-012	US	APPARATUS AND METHOD FOR THE CALIBRATION OF DELTA-SIGMA MODULATORS	US 12/566,066	US 8,179,294
90482GB	2007-009 (Reconfigurable Bandpass DSM)	GB	RECONFIGURABLE BANDPASS DELTA-SIGMA MODULATOR	GB 0811896.0	
90482US1	2007-009 (Reconfigurable Bandpass DSM)	US	RECONFIGURABLE BANDPASS DELTA-SIGMA MODULATOR	US 12/981,722	US 8,384,574
90561DE	2006-001	DE	DIGITALE SIGMA-DELTA-MODULATOREN	DE 60 2007 002 302.5	DE 60 2007 002 302
90561EP	2006-001	EP	DIGITAL SIGMA-DELTA MODULATORS	EP 07 725 775.6	EP 2 036 206
90561FR	2006-001	FR	MODULATEURS NUMÉRIQUE SIGMA-DELTA	EP 07 725 775.6	EP 2 036 206
90561GB1	2006-001	GB	DIGITAL SIGMA-DELTA MODULATORS	EP 07 725 775.6	EP 2 036 206
90561SE	2006-001	SE	DIGITAL SIGMA-DELTA MODULATORS	EP 07 725 775.6	EP 2 036 206
90561US1	2006-001	US	DIGITAL SIGMA-DELTA MODULATORS	US 12/325,690	US 7,825,842
90561WO	2006/001	WO	DIGITAL SIGMA-DELTA MODULATORS	PCT/EP2007/004896	
90562CN	2006-003	CN	ANTENNA ARRAY SYSTEM	CN 200780027170.7	
90562DE	2006-003	DE	ANTENNENGRUPPENSYSTEM	DE 60 2007 019 827.5	DE 60 2007 019 827
90562EP	2006-003	EP	ANTENNA ARRAY SYSTEM	EP 07 765 208.9-1246	EP 2 044 784
90562FR	2006-003	FR	SYSTEME DE RESEAU D'ANTENNE	EP 07 765 208.9-1246	EP 2 044 784
90562GB	2006-003	GB	ANTENNA ARRAY SYSTEM	GB 0614299.6	GB 2440192
90562JP	2006-003	JP	ANTENNA ARRAY SYSTEM	JP 2009-519864	
90562NL	2006-003	NL	ANTENNA ARRAY SYSTEM	EP 07 765 208.9-1246	EP 2 044 784

SHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90562SE	2006-003	SE	ANTENNA ARRAY SYSTEM	EP 07 765 208.9-1246	EP 2 044 784
90562US1	2006-003	US	ANTENNA ARRAY SYSTEM	US 12/339,239	
90562WO	2006-003	WO	ANTENNA ARRAY SYSTEM	PCT/EP2007/006334	
90596CN	2006-002	CN	DIGITAL TRANSCEIVER	CN 200780027180.0	ZL 200780027180.0
90596DE1	2006-002	DE	DIGITALES SENDE/EMPFANGSGERÄT	DE 60 2007 003 846.4	DE 60 2007 003 846
90596EP	2006-002	EP	DIGITAL TRANSCEIVER	EP 07 786 130.0 - 2215	EP 2 044 686
90596FR1	2006-002	FR	EMETTEUR-RÉCEPTEUR NUMÉRIQUE	EP 07 786 130.0 - 2215	EP 2 044 686
90596GB1	2006-002	GB	DIGITAL TRANSCEIVER	EP 07 786 130.0 - 2215	EP 2 044 686
90596JP	2006-002	JP	DIGITAL TRANSCEIVER	JP 2009-519865	
90596SE1	2006-002	SE	DIGITAL TRANSCEIVER	EP 07 786 130.0 - 2215	EP 2 044 686
90596US1	2006-002	US	DIGITAL TRANSCEIVER	US 12/339,293	US 8,300,724
90596WO	2006-002	WO	DIGITAL TRANSCEIVER	PCT/EP2007/006335	
90649US1	2006-007	US	SAMPLE RATE CONVERSION IN DELTA - SIGMA MODULATORS	US 12/739,052	US 8,290,087
90649WO	2006-007	WO	SAMPLE RATE CONVERSION IN DELTA - SIGMA MODULATORS	PCT/EP2008/064225	
90650GB	2006-006	GB	AUTOMATIC GAIN CONTROL FOR DELTA-SIGMA MODULATOR	GB 0724380.1	
90689GB	2006-011	GB	A METHOD AND APPARATUS FOR AUTONOMOUS PORT ROLE ASSIGNMENTS IN MASTER-SLAVES NETWORKS	GB 07 23 366.1	GB 2455702
90689US1	2006-011	US	METHOD AND APPARATUS FOR AUTONOMOUS PORT ROLE ASSIGNMENTS IN MASTER-SLAVE NETWORKS	US 12/788,850	
90689WO	2006-011	WO	A METHOD AND APPARATUS FOR AUTONOMOUS PORT ROLE ASSIGNMENTS IN MASTER-SLAVE NETWORKS	PCT/EP2008/066292	
90762US	2009-002	US	BASE-STATION FAILURE PREDICTOR	US 12/551,947	US 8,433,260

IHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90765US	2009-001	US	MONITOR FOR SPECTRAL DEGRADATION OF TRANSMITTER OR RECEIVER	US 12/551,961	US 8,467,474
90795US	2009-004/2009-005	US	SYSTEM, APPARATUS AND METHOD FOR CALIBRATING A DELAY ALONG A SIGNAL PATH	US 12/709,572	US 8,374,826
90817US	2009-009	US	BUS BAR POWER DISTRIBUTION FOR AN ANTENNA EMBEDDED RADIO SYSTEM	US 12/562,313	US 8,102,084
90826US	2009-012	US	DUPLEXER AND METHOD FOR SEPARATING A TRANSMIT SIGNAL AND A RECEIVE SIGNAL	US 12/571,727	US 8,339,216
90827US	2009-013	US	FILTERING DEVICE FOR FILTERING RF SIGNALS AND METHOD FOR FILTERING RF SIGNALS	US 12/571,696	US 8,421,554
90829US	2009-015	US	FILTERING DEVICE AND A METHOD FOR FILTERING A SIGNAL	US 12/571,808	US 8,264,298
90873GB	2009-019	GB	SINGLE ENVELOPE TRACKING SYSTEM FOR AN ACTIVE ANTENNA ARRAY	GB 1021432.8	
90873US	2009-019	US	SINGLE ENVELOPE TRACKING SYSTEM FOR AN ACTIVE ANTENNA ARRAY	US 12/643,572	
90874GB	2009-020	GB	MULTIPLE ENVELOPE TRACKING SYSTEM FOR AN ACTIVE ANTENNA ARRAY	GB 1021583.8	
90874US	2009-020	US	MULTIPLE ENVELOPE TRACKING SYSTEM FOR AN ACTIVE ANTENNA ARRAY	US 12/643,584	US 8,265,572
90878US	2009-023	US	ACTIVE ANTENNA SYSTEM FOR A MOBILE COMMUNICATIONS NETWORK AS WELL AS A METHOD FOR RELAYING A PLURALITY OF RADIO SIGNALS THROUGH THE ACTIVE ANTENNA SYSTEM	US 12/650,025	US 8,396,420

SHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90879EP	2009-027 (DPD with single feedback path)	EP	ACTIVE ANTENNA ARRAY WITH MODULATOR-BASED PRE-DISTORTION	EP 10 795 680.7 - 2411	
90879US	2009-027 (DPD with single feedback path)	US	ACTIVE ANTENNA ARRAY WITH MODULATOR-BASED PRE-DISTORTION	US 12/643,544	US 8,351,543
90879WO	2009-027 (DPD with single feedback path)	WO	ACTIVE ANTENNA ARRAY WITH MODULATOR-BASED PRE-DISTORTION	PCT/EP2010/070114	
90881US	2009-022	US	ACTIVE ANTENNA ARRAY FOR A MOBILE COMMUNICATIONS NETWORK WITH A PLURALITY OF GAIN SWITCHES AND A METHOD FOR ADJUSTING A SIGNAL LEVEL OF INDIVIDUAL RADIO SIGNALS	US 12/650,004	
90881USC1	2009-022	US	AN ACTIVE ANTENNA ARRAY FOR A MOBILE COMMUNICATIONS NETWORK WITH A PLURALITY OF GAIN SWITCHES AND A METHOD FOR ADJUSTING A SIGNAL LEVEL OF INDIVIDUAL RADIO SIGNALS	US 13/915,082 Continuation of US 12/650,004	
90882CN	2009-024 (Common Reference Clock)	CN	AN ACTIVE ANTENNA ARRAY WITH A SINGLE COMMON CLOCK AND A METHOD FOR RELAYING A PLURALITY OF RADIO SIGNALS	CN 201080060382.7	
90882US	2009-024 (Common Reference Clock)	US	ACTIVE ANTENNA ARRAY WITH A SINGLE COMMON CLOCK AND A METHOD FOR RELAYING A PLURALITY OF RADIO SIGNALS	US 12/650,021	
90882USC1	2009-024 (Common Reference Clock)	US	AN ACTIVE ANTENNA ARRAY WITH A SINGLE COMMON CLOCK AND A METHOD FOR RELAYING A PLURALITY OF RADIO SIGNALS	US 13/910,570 Continuation of US 12/650,021	

SHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90882WO	2009-024 (Common Reference Clock)	WO	AN ACTIVE ANTENNA ARRAY WITH A SINGLE COMMON CLOCK AND A METHOD FOR RELAYING A PLURALITY OF RADIO SIGNALS	PCT/EP2010/070113	
90883US	2009-017	US	CREST FACTOR REDUCTION METHOD AND CIRCUIT FOR A MULTI-CARRIER SIGNAL	US 12/904,538	
90884US	2009-018	US	AMPLIFIER ARRANGEMENT	US 13/022,113	US 8,400,223
90885US	2009-021	US	CREST FACTOR REDUCTION FOR A MULTICARRIER-SIGNAL WITH SPECTRALLY SHAPED SINGLE-CARRIER CANCELATION PULSES	US 12/904,606	
90890US	2009-029	US	ACTIVE ANTENNA ARRAY FOR A MOBILE COMMUNICATIONS NETWORK WITH MULTIPLE AMPLIFIERS USING SEPARATE POLARISATIONS FOR TRANSMISSION AND A COMBINATION OF POLARISATIONS FOR RECEPTION OF SEPARATE PROTOCOL SIGNALS	US 12/648,852	US 8,433,242
90891US	2009-030 (Shard use of LMAs)	US	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING FIRST AND SECOND PROTOCOL RADIO SIGNALS IN A MOBILE COMMUNICATIONS NETWORK	US 12/648,773	
90892US	2009-031 (Distribution of DC by corporate feed)	US	ACTIVE ANTENNA ARRAY WITH MULTIPLE AMPLIFIERS FOR A MOBILE COMMUNICATIONS NETWORK AND METHOD OF PROVIDING DC VOLTAGE TO AT LEAST ONE PROCESSING ELEMENT	US 12/648,713	US 8,423,028
90894EP	2009-032	EP	A METHOD AND APPARATUS FOR TILTING BEAMS IN A MOBILE COMMUNICATIONS NETWORK	EP 10 197 271.9 - 2220	

SHP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90894US	2009-032	US	METHOD AND APPARATUS FOR TILTING BEAMS IN A MOBILE COMMUNICATIONS NETWORK	US 12/648,809	
90901CN	2009-033	CN	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS	CN 201180038379.X	
90901EP	2009-033	EP	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS	EP 11 721 056.7	
90901JP	2009-033	JP	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS	JP 2013-512831	
90901KR	2009-033	KR	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS	KR 2012-7033731	
90901US	2009-033	US	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS	US 12/792,936	
90901WO	2009-033	WO	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS	PCT/EP2011/058454	
90902US	2009-034	US	ACTIVE ANTENNA ARRAY AND METHOD FOR RELAYING RADIO SIGNALS WITH SYNCHRONOUS DIGITAL DATA INTERFACE	US 12/792,925	
90903CN	2009-035	CN	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	CN 201180017991.9	
90903EP	2009-035	EP	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	EP 11 712 820.7 - 2220	
90903HK	2009-035	HK	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	EP 11 712 820.7	

IP reference	former reference of Ubidyne	Country	TITLE	Application number	Grant number
90903US	2009-035	US	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	US 12/751,342	US 8,340,612
90903WO	2009-035	WO	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	PCT/EP2011/054923	
90914EP	2010-001	EP	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF RECEIVE PATHS IN SAID ARRAY	EP 11 160 335.3	
90914US	2010-001	US	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF RECEIVE PATHS IN SAID ARRAY	US 12/751,391	US 8,441,966
90915EP	2010-002	EP	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	EP 11 160 336.1	
90915US	2010-002	US	ACTIVE ANTENNA ARRAY AND METHOD FOR CALIBRATION OF THE ACTIVE ANTENNA ARRAY	US 12/751,368	US 8,311,166
90934US	2010-003	US	UPLINK CALIBRATION SYSTEM WITHOUT THE NEED FOR A PILOT SIGNAL	US 12/784,745	
90935EP	2010-004	EP	MOBILE COMMUNICATIONS NETWORK WITH DISTRIBUTED PROCESSING RESOURCES	EP 11 724 390.7	
90935US	2010-004	US	MOBILE COMMUNICATIONS NETWORK WITH DISTRIBUTED PROCESSING RESOURCES	US 12/817,871	
90935WO	2010-004	WO	MOBILE COMMUNICATIONS NETWORK WITH DISTRIBUTED PROCESSING RESOURCES	PCT/EP2011/058534	
90936US	2010-005	US	HANDOVER IN MOBILE COMMUNICATIONS NETWORKS	US 12/817,879	
90947US	2010-008	US	ACTIVE ANTENNA ARRANGEMENT WITH DOHERTY AMPLIFIER	US 13/298,822	

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90947USC1	2010-008	US	ACTIVE ANTENNA ARRANGEMENT WITH DOHERTY AMPLIFIER	US 13/933,479 Continuation of US 13/298,822	
90948US	2010-009	US	FILTER ARRANGMENT	US 13/253,256	
90948WO	2010-009	WO	FILTER ARRANGEMENT	PCT/EP2012/067301	
90949US	2010-010	US	AMPLIFIER ARRANGEMENT	US 13/185,025	
90949USC1	2010-010	US	AMPLIFIER ARRANGEMENT	US 13/887,648 Continuation of US 13/185,025	
90949WO	2010-010	WO	AMPLIFIER ARRANGEMENT	PCT/EP2012/064005	
90975US	2010-014 (ZIM project)	US	DOHERTY AMPLIFIER ARRANGEMENT	US 13/190,063	
90977US	2010-016 (ZIM Project)	US	POWER AMPLIFIER WITH DYNAMICALLY ADDED SUPPLY VOLTAGES	US 13/022,125	US 8,354,889
90983US	2010-017	US	ACTIVE ANTENNA SYSTEM AND METHOD FOR OPERATION OF AN ACTIVE ANTENNA ARRAY	US 12/897,830	US 8,219,057
90994US	2010-018	US	RADIO TRANSCEIVER AND METHOD FOR RECEPTION OF COMBINED RECEIVE SIGNALS	US 12/898,208	US 8,290,536
91002US	2010-013	US	RADIO TRANSMITTER AND METHOD FOR TRANSMISSION OF COMBINED SIGNAL	US 12/898,021	US 8,355,682
91019US	2010-023	US	MODULE FOR AN ACTIVE ANTENNA SYSTEM	US 12/952,294	
91019USC1	2010-023	US	MODULE FOR AN ACTIVE ANTENNA SYSTEM	US 13/927,689 Continuation of	

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				US 12/952,294	
91021US	2010-021	US	BASE TRANSCEIVER STATION WITH RADIATION BEAM STEERING AND ACTIVE ANTENNA	US 12/951,223	
91035US	2010-026	US	ACTIVE ANTENNA FOR FILTERING RADIO SIGNAL IN TWO FREQUENCY BANDS	US 12/973,160	
91036US	2010-027	US	ACTIVE ANTENNA SYSTEM AND METHOD FOR COMBINING SIGNALS	US 12/973,276	
91037US	2010-024 / 2010-025	US	FILTER ARRANGEMENT	US 13/044,026	
91062WO	2010-030	WO	BASE-BAND TO RADIO FREQUENCY UP-CONVERTER	PCT/EP2012/058725	
91064AU	2010-032	AU	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA PATTERNS	PCT/EP2012/058725	
91064CN	2010-032	CN	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA PATTERNS	PCT/EP2012/058725	
91064EP	2010-032	EP	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA PATTERNS	EP 12 701 752.3	
91064JP	2010-032	JP	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA PATTERNS	PCT/EP2012/058725	
91064KR	2010-032	KR	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA PATTERNS	PCT/EP2012/058725	
91064US	2010-032	US	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA PATTERNS	US 13/016,417	
91064WO	2010-032	WO	ANTENNA ARRAY AND METHOD FOR SYNTHESIZING ANTENNA	PCT/EP2012/051456	

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			PATTERNS		
91065US	2010-033	US	ANTENNA ARRAY AND METHOD FOR OPERATING ANTENNA ARRAY	US 13/016,440	
91166US	2011-001	US	INTERCONNECT BOARD	US 13/290,223	
91166WO	2011-001	WO	INTERCONNECT BOARD	PCT/EP2012/072061	
91175US	2011-002	US	DIGITAL-TO-ANALOG CONVERTER	US 13/556,414	
91175WO	2011-002	WO	DIGITAL-TO-ANALOG CONVERTER	PCT/EP2013/065600	
91186US	2012-001	US	ACTIVE ANTENNA ARRAY AND METHOD FOR TRANSMITTING RADIO SIGNAL	US 13/437,435	