

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8160848

<b>SUBMISSION TYPE:</b>	RESUBMISSION
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>RESUBMIT DOCUMENT ID:</b>	508093200

**CONVEYING PARTY DATA**

Name	Execution Date
MAYSIDE LICENSING LLC	08/14/2023

**RECEIVING PARTY DATA**

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**PROPERTY NUMBERS Total: 62**

Property Type	Number
Patent Number:	7274371
Application Number:	10907619
Patent Number:	7961253
Patent Number:	7865255
Patent Number:	8289456
Patent Number:	8175416
Patent Number:	8736529
Patent Number:	8655369
Patent Number:	8260305
Patent Number:	8878837
Patent Number:	8686956
Patent Number:	8447117
Patent Number:	8259818
Patent Number:	9706297
Patent Number:	9046953
Patent Number:	9418631
Patent Number:	9373154
Patent Number:	9642158
Patent Number:	9042489

PATENT

Property Type	Number
Patent Number:	7920648
Patent Number:	7409350
Patent Number:	7339958
Patent Number:	7327404
Patent Number:	7673222
Patent Number:	8209583
Application Number:	11241743
Patent Number:	8724531
Patent Number:	7596661
Patent Number:	7564912
Patent Number:	8107754
Patent Number:	8284839
Patent Number:	8494058
Patent Number:	9036563
Patent Number:	8482626
Patent Number:	8823826
Patent Number:	8994847
Patent Number:	8265575
Patent Number:	9264914
Patent Number:	9794759
Patent Number:	10362540
Patent Number:	8514798
Patent Number:	8823719
Patent Number:	9236896
Patent Number:	8498240
Patent Number:	8630230
Patent Number:	8654860
Patent Number:	8661164
Patent Number:	9538177
Application Number:	15391854
Patent Number:	9515387
Patent Number:	10088290
Patent Number:	9794839
Patent Number:	9699275
Patent Number:	9921672
Patent Number:	9854519
Patent Number:	9906772
Patent Number:	9791924

Property Type	Number
Patent Number:	9755797
Patent Number:	10104579
Patent Number:	10397588
Patent Number:	10448049
Patent Number:	10375371

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<b>DATE SIGNED:</b>	09/11/2023

**Total Attachments: 14**

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**PATENT ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, Mayside Licensing LLC, a limited liability company organized under the State of Texas having its offices at 3001 S. Hardin Blvd., Suite 110 PMB 1065, McKinney, TX 75070 (***“Assignor”***), does hereby assign, transfer, and convey unto Communication Advances LLC, a Texas limited liability company, having an address at 2150 S. Central Expy Ste 200, McKinney TX 75070, (***“Assignee”***), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the ***“Patent Rights”***):

- (a) the patent applications and patents listed in the table below (the ***“Patents”*** or ***“Patent”***);

Exhibit A

Simple Family ID	Application Number	Publication Number	Title	File Date	MTK Reference Number
35035962	CN200510052636A	CN100353415	Display controller and associated method	3/7/05	MSTI-19-0033CN
35035962	TW94106267A	TW1283395	Display controller and associated method	3/2/05	MSTI-19-0033TW
35035962	US10/906741	US7274371	Display controller and associated method	3/3/05	MSTI-19-0033US
35067709	CN200510064115A	CN100417187	Method of processing fields of images and related device for data lines similarity detection	4/11/05	MSTI-19-0039CN
35067709	TW94111179A	TW1286026	Method of processing fields of images and related device for data lines similarity detection	4/8/05	MSTI-19-0039TW
35067709	US10/907619	US20050225671	Method of processing fields of images and related device for data lines similarity detection	4/8/05	MSTI-19-0039US
35067709	US12/256481	US7961253	Method of processing fields of images and related device for data lines similarity detection	10/23/08	MSTI-19-0039US-1
35050323	CN200510062663A	CN100382591	Method for buffering audio in a multimedia receiver and related device	3/31/05	MSTI-19-0043CN
35050323	TW94110260A	TW1298233	Audio buffering system and method of buffering audio in a multimedia receiver	3/31/05	MSTI-19-0043TW
35050323	US10/907185	US7865255	Audio buffering system and method of buffering audio in a multimedia receiver	3/23/05	MSTI-19-0043US
40198107	CN200710109584A	CN101335823	Method for correcting image	6/27/07	MSTI-19-0145CN
40131939	TW96121438A	TW1369903	image correction method	6/13/07	MSTI-19-0145TW
40131939	US12/155532	US9289456	image correction method	6/5/08	MSTI-19-0145US
40100899	CN200710104079A	CN101312490	Pixel interpolation devices and methods therefor	5/22/07	MSTI-19-0146CN
39969602	TW96116190A	TW1344790	Pixel interpolation apparatus and method thereof	5/7/07	MSTI-19-0146TW
39969602	US12/149155	US8175416	Pixel interpolation apparatus and method thereof	4/28/08	MSTI-19-0146US
39774219	CN200710146922A	CN101271673	Acceleration driving device and method	8/23/07	MSTI-19-0165CN
39774219	TW96128248A	TW1389087	Overdriving apparatus and overdriving method	8/1/07	MSTI-19-0165TW
39774219	US12/068618	US8736529	Method and apparatus for generating an overdrive signal for a liquid crystal display	2/8/08	MSTI-19-0165US

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40583455	CN200810171632A	CN101420273	Co-existing multi-radio system and method of establishing the same	10/22/08	MSTI-19-0264CN
40583455	TW97140220A	TW1384791	Co-existing multi-radio system and method of establishing the same	10/20/08	MSTI-19-0264TW
40583455	US12/258396	US8655369	Cognitive radio system using care-of-address for packet routing in a mobile ip network	10/25/08	MSTI-19-0264US
43264619	CN200910107809A	CN101909334	Wireless communication method and system thereof for updating reference channel information	6/2/09	MSTI-19-0362CN
43124898	TW98116922A	TW1400980	Wireless communication method for updating reference channel information and system thereof	5/21/09	MSTI-19-0362TW
43124898	US12/761011	US8260305	Wireless communication method for updating reference channel information and system thereof	4/15/10	MSTI-19-0362US
44217194	CN200910266845A	CN102118625	Image processing device with screen display function and image processing method	12/30/09	MSTI-19-0386CN
44186944	TW98144980A	TW1404405	Image processing apparatus having on-screen display function and method thereof	12/25/09	MSTI-19-0386TW
44186944	US12/977142	US8878837	Image processing apparatus having on-screen display function and method thereof	12/23/10	MSTI-19-0386US
43068123	CN200910258556A	CN101887334	Capacitive touch sensing structure and sensing method thereof	12/10/09	MSTI-19-0402CN
43068123	TW98140542A	TW1543048	A sensor structure of a capacitive touch panel and the sensing method thereof	11/27/09	MSTI-19-0402TW
43068123	US12/780668	US8686956	Capacitive touch sensing structure and sensing method thereof	5/14/10	MSTI-19-0402US
44157247	CN200910225468A	CN102104777	Block border method for detecting and block border detector	12/16/09	MSTI-19-0403CN
44068959	TW98141047A	TW1391878	Block-edge detection method and block-edge detection device	12/1/09	MSTI-19-0403TW
44068959	US12/957691	US8447117	Block-edge detecting method and associated device	12/1/10	MSTI-19-0403US
43517612	CN200910160532A	CN101964907	Block removing device and method	7/22/09	MSTI-19-0417CN
43465282	TW98124450A	TW1400955	Deblocking apparatus and method	7/20/09	MSTI-19-0417TW
43465282	US12/603226	US8259818	Deblocking apparatus and associated method	10/21/09	MSTI-19-0417US
45010448	CN201010192732A	CN102264026	Message processes device and message processing method	5/25/10	MSTI-19-0458CN
45022154	TW99116723A	TW1540912	Audio processing apparatus and audio processing method	5/25/10	MSTI-19-0458TW
45022154	US13/080767	US9706297	Audio processing apparatus and related method	4/6/11	MSTI-19-0458US
49650160	CN201210156193A	CN103425306	Be applied to the control system of touch screen	5/18/12	MSTI-19-0491CN

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49157145	TW101109372 A	TWI461979	Control system for touch screen	3/19/12	MSTI-19- 0491TW
49157145	US13/845198	US9046953	Control system for touch screen	3/18/13	MSTI-19- 0491US
47304089	CN2011101684 11A	CN102819994	Display control device and method capable of reducing image zooming time	6/10/11	MSTI-19- 0506CN
47218949	TW100118243 A	TWI443643	A display control device and method thereof for reducing the amount of image zooming	5/25/11	MSTI-19- 0506TW
47218949	US13/479383	US9418631	Display control apparatus and method and image processing method	5/24/12	MSTI-19- 0506US
49798871	CN2012101885 38A	CN103474049	Image processing apparatus and image processing method	6/8/12	MSTI-19- 0635CN
49621252	TW101118385 A	TWI520598	Image processing apparatus and image processing method	5/23/12	MSTI-19- 0635TW
49621252	US13/897538	US9373154	Image processing apparatus having reduced line buffer size and associated method	5/20/13	MSTI-19- 0635US
51505485	CN2014102288 18A	CN104053226	A kind of dispatching method and device	5/27/14	MSTI-19- 0737CN
51505485	TW103141968 A	TWI569657	Scheduling method and device	12/3/14	MSTI-19- 0737TW
51505485	US14/719404	US9642158	Scheduling method and device	5/22/15	MSTI-19- 0737US
51041760	CN2013100031 66A	CN103916352	Carrier frequency shift compensation device and method	1/6/13	MSTI-19- 0740CN
50975164	TW101150171 A	TWI487334	Carrier frequency offset compensation device and method	12/26/12	MSTI-19- 0740TW
50975164	US14/096132	US9042489	Carrier frequency offset compensation apparatus and associated method	12/4/13	MSTI-19- 0740US
9949448	CN2003801051 48A	CN100492928	Sample frequency correction in signal processing	12/5/03	MSTI-19- 1430PCT-CN
9949448	EP03780343A	EP1570581	Sample rate adaption in signal processing in multiband receivers	12/5/03	MSTI-19- 1430PCT-EP
9949448	DE60324589T	DE60324589	Abstratren adaptation in the signal processing in multi-band accumulators	12/5/03	MSTI-19- 1430PCT- EP-DE
9949448	EP03780343A	EP1570581	Sample rate adaption in signal processing in multiband receivers	12/5/03	MSTI-19- 1430PCT- EP-FI
9949448	EP03780343A	EP1570581	Sample rate adaption in signal processing in multiband receivers	12/5/03	MSTI-19- 1430PCT- EP-FR
9949448	EP03780343A	EP1570581	Sample rate adaption in signal processing in multiband receivers	12/5/03	MSTI-19- 1430PCT- EP-GB
9949448	EP03780343A	EP1570581	Sample rate adaption in signal processing in multiband receivers	12/5/03	MSTI-19- 1430PCT- EP-IT

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112568272 6	IN995KON2005 A	IN219912	An apparatus and method for sample rate adaption in signal processing	5/27/05	MSTI-19-1430PCT-IN
9949448	KR2005701039 6A	KR100839583	Sample rate adaption in signal processing	6/9/05	MSTI-19-1430PCT-KR
9949448	US10/538764	US7920648	Sample rate adaption in signal processing	6/10/05	MSTI-19-1430PCT-US
32710196	TW92101160A	TW1220753	Method for determining quantization parameters	1/20/03	MTKI-02-0097TW
32710196	US10/745606	US7409350	Audio processing method for generating audio stream	12/29/03	MTKI-02-0097US
36640373	CN2005101359 45A	CN100481958	System and method for performing signal synchronization of data streams	12/29/05	MTKI-04-0079CN
36640373	TW94146970A	TW1287376	System and method for performing signal synchronization of data streams	12/26/05	MTKI-04-0079TW
36640373	US11/028117	US7339958	System and method for performing signal synchronization of data streams	1/3/05	MTKI-04-0079US
36205827	CN2005101053 83A	CN100508623	Color image processing methods and systems for adjusting color	9/23/05	MTKI-04-0118CN
36205827	TW94130402A	TW1281826	Methods and systems for color image processing	9/5/05	MTKI-04-0118TW
36205827	US10/971241	US7327404	Methods and systems for color image processing	10/22/04	MTKI-04-0118US
37609900	CN2005101056 33A	CN100461664	Error-correcting apparatus including multiple error-correcting modules functioning in parallel and related method	9/28/05	MTKI-05-0104CN
37609900	TW94133352A	TW1273387	Error-correcting apparatus including multiple error-correcting modules functioning in parallel and related method	9/26/05	MTKI-05-0104TW
37609900	US11/160927	US7673222	Error-correcting apparatus including multiple error-correcting modules functioning in parallel and related method	7/15/05	MTKI-05-0104US
37609900	US12/686390	US8209583	Error-correcting apparatus including multiple error-correcting modules functioning in parallel and related method	1/13/10	MTKI-05-0104US-1
37901849	CN2006101599 16A	CN1960365	Low power module and user workstation	9/27/06	MTKI-05-0231CN
37901849	TW95132347A	TW1347112	Low power module for user station	9/1/06	MTKI-05-0231TW
37901849	US11/241743	US20070076683	Low power module for a station of a wireless communication system and related method	9/30/05	MTKI-05-0231US
37901849	US12/820403	US8724531	Low power module for a station of a wireless communication system and related method	6/22/10	MTKI-05-0231US-1
37817480	CN2006101089 77A	CN100552647	Processing modules with multilevel cache architecture	7/31/06	MTKI-05-0269CN



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37817480	TW95124143A	TW1324755	Processing modules with multilevel cache architecture	7/3/06	MTKI-05-0269TW
37817480	US11/307073	US7596661	Processing modules with multilevel cache architecture	1/23/06	MTKI-05-0269US
38368433	CN200710079157A	CN101022444	Method and apparatus for channel state information generation in a dvd-t receiver	2/14/07	MTKI-05-0290CN
38368433	TW96101012A	TW1323113	Method and apparatus for channel state information generation in a dvb-t receiver	1/10/07	MTKI-05-0290TW
38368433	US11/354440	US7564912	Method and apparatus for channel state information generation in a dvb-t receiver	2/15/06	MTKI-05-0290US
40680142	CN200810110442A	CN101453648	Systems and methods for randomly accessing compressed images	6/3/08	MTKI-07-0270CN
40680142	DE102008012023A	DE102008012023	Systems and methods for randomly accessing compressed images	2/29/08	MTKI-07-0270DE
1125692502	IN471MU2008A	IN259819	Systems and methods for randomly accessing compressed images	3/7/08	MTKI-07-0270IN
40680142	TW97119488A	TW1382361	Methods and systems for source image encoding and methods and systems for decoding compressed images	5/27/08	MTKI-07-0270TW
40680142	US11/952458	US8107754	Systems and methods for randomly accessing compressed images	12/7/07	MTKI-07-0270US
41431261	CN200880130028A	CN102067583	Joint system for frame rate conversion and video compression	10/7/08	MTKI-07-0313PCT-CN
41431261	EP08874758A	EP2304931	Joint system for frame rate conversion and video compression	10/7/08	MTKI-07-0313PCT-EP
41431261	EP08874758A	EP2304931	Joint system for frame rate conversion and video compression	10/7/08	MTKI-07-0313PCT-EP-DE
41431261	EP08874758A	EP2304931	Joint system for frame rate conversion and video compression	10/7/08	MTKI-07-0313PCT-EP-FR
41431261	EP08874758A	EP2304931	Joint system for frame rate conversion and video compression	10/7/08	MTKI-07-0313PCT-EP-GB
41431261	TW97144884A	TW1519171	Video processing apparatus and method	11/20/08	MTKI-07-0313TW
41431261	US12/143854	US8284839	Joint system for frame rate conversion and video compression	6/23/08	MTKI-07-0313US
47361843	US13/607786	US8494058	Video/image processing apparatus with motion estimation sharing, and related method and machine readable medium	9/9/12	MTKI-07-0313US-1
40588014	CN200910158088A	CN101640891	Method for achieving frequency reuse in wireless communications systems	7/20/09	MTKI-08-0232CN
40588014	TW98124379A	TW1387368	A method for sharing a communications channel and a wireless communications systems	7/20/09	MTKI-08-0232TW

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40588014	US12/317569	US9036563	Method for achieving frequency reuse in wireless communications systems	12/27/08	MTKI-08-0232US
42826227	CN200910224021A	CN101860679	Digital camera and image capturing method	11/30/09	MTKI-08-0269CN
42826227	TW98140074A	TW9399084	Digital camera and image capturing method	11/25/09	MTKI-08-0269TW
42826227	US12/419408	US8482626	Digital camera and image capturing method	4/7/09	MTKI-08-0269US
42826227	US13/913656	US8223826	Digital camera and image capturing method	6/10/13	MTKI-08-0269US-1
42826227	US14/342000	US8994847	Digital camera and image capturing method	7/29/14	MTKI-08-0269US-2
43306836	CN200980101043A	CN102017440	Communication apparatuses and method for handling the transmission process	8/21/09	MTKI-08-0303PCT-CN
43306836	EP09846004A	EP2443759	Methods for handling a transmitting process and communication apparatuses utilizing the same	8/21/09	MTKI-08-0303PCT-EP
43306836	EP09846004A	EP2443759	Methods for handling a transmitting process and communication apparatuses utilizing the same	8/21/09	MTKI-08-0303PCT-EP-DE
43306836	EP09846004A	EP2443759	Methods for handling a transmitting process and communication apparatuses utilizing the same	8/21/09	MTKI-08-0303PCT-EP-FR
43306836	EP09846004A	EP2443759	Methods for handling a transmitting process and communication apparatuses utilizing the same	8/21/09	MTKI-08-0303PCT-EP-GB
1137809047	IN90MUN2012A	IN293733	Methods for handling a transmitting process and communication apparatuses utilizing the same	8/21/09	MTKI-08-0303PCT-IN
43306836	TW98129225A	TW9395499	Communication apparatuses and methods for handling a transmitting process	8/31/09	MTKI-08-0303TW
43306836	US12/485230	US8265575	Methods for handling a transmitting process and communication apparatuses utilizing the same	6/16/09	MTKI-08-0303US
43972454	CN201010500934A	CN102083110	Methods for monitoring paging messages and communications apparatuses	10/9/10	MTKI-09-0132CN
44063533	DE102010004669A	DE102010004669	A system for feeding notes of value to the security transport unit by means of a docking station	1/14/10	MTKI-09-0132DE
1118947392	IN285MU2010A	IN2010MU00285	Methods for monitoring paging messages with reduced power consumption and communications apparatuses utilizing the same	2/3/10	MTKI-09-0132IN
43972454	TW99133832A	TW9411319	Methods for monitoring paging messages and communications apparatuses	10/5/10	MTKI-09-0132TW
43972454	US12/627246	US9264914	Methods for monitoring paging messages with reduced power	11/30/09	MTKI-09-0132US

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			consumption and communications apparatuses utilizing the same		
56080074	US15/013043	US9794759	Methods for monitoring paging messages with reduced power consumption and communications apparatuses utilizing the same	2/2/16	MTKI-09-0132US-1
61010486	US15/725506	US10362540	Methods for monitoring paging messages with reduced power consumption and communications apparatuses utilizing the same	10/5/17	MTKI-09-0132US-2
44356937	CN201110040447A	CN102170682	Support communicator and the dispatching method thereof of multiple radio access technique	2/18/11	MTKI-09-0198CN
44356937	DE102010061020A	DE102010061020	Method for sequencing channel activities for a plurality of radio access methods in a communication device and communication devices using same	12/3/10	MTKI-09-0198DE
1138204397	IN3171MU2010A	IN295172	Communications apparatuses and methods for scheduling channel activities for multiple radio access technologies	11/22/10	MTKI-09-0198IN
44356937	TW100105037A	TW201132092	Communications apparatus with multiple radio access technologies (rats) and method for scheduling channel activities thereof	2/16/11	MTKI-09-0198TW
44356937	US12/873555	US8514798	Methods for scheduling channel activities for multiple radio access technologies in a communications apparatus and communications apparatuses utilizing the same	9/1/10	MTKI-09-0198US
44911390	CN201110049641A	CN102243755	Graphics processing method and graphics processing apparatus	3/2/11	MTKI-10-0002CN
44911390	TW99141892A	TW452538	Graphics processing method and graphics processing apparatus	12/2/10	MTKI-10-0002TW
44911390	US12/779063	US8223719	Graphics processing method applied to a plurality of buffers and graphics processing apparatus thereof	5/13/10	MTKI-10-0002US
44318664	CN201180004544A	CN102612847	The method of wireless communication system and multiple coexistence between plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-CN
44318664	CN201610328045A	CN105846850	The method of wireless communication system and multiple coexistence between plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-CN-1
44318664	EP11736606A	EP2460376	Systems and methods for coexistence of a plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-EP
44318664	EP11736606A	EP2460376	Systems and methods for coexistence of a plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-EP-DE

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44318664	EP11736606A	EP2460376	Systems and methods for coexistence of a plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-EP-FR
44318664	EP11736606A	EP2460376	Systems and methods for coexistence of a plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-EP-GB
44318664	JP2012550309 A	JP5467158	Coexistence method of a wireless communication system and a plurality of wireless communication modules	1/12/11	MTKI-10-0053PCT-JP
44318664	TW100100175 A	TW1462625	Wireless communications system and method for coexistence of a plurality of wireless communications modules	1/4/11	MTKI-10-0053TW
44318664	US12/940337	US9236896	Systems and methods for coexistence of a plurality of wireless communications modules	11/5/10	MTKI-10-0053US
46047736	CN2011103142 14A	CN102469576	Resynchronization method for recovering from sleep mode and apparatuses using the same	10/17/11	MTKI-10-0075CN
46047736	TW100131654 A	TW1441544	Wireless communications devices and resynchronization methods	9/2/11	MTKI-10-0075TW
46047736	US12/944138	US8498240	Resynchronization method for recovering from sleep mode and apparatuses using the same	11/11/10	MTKI-10-0075US
44081890	CN2010800028 59A	CN102292937	Method of reducing interference between two communication systems operating in adjacent frequency bands	12/7/10	MTKI-10-0083PCT-CN
44081890	TW99142639A	TW1423602	Method of reducing interference between two communication systems operating in adjacent frequency bands	12/7/10	MTKI-10-0083TW
44081890	US12/962623	US8630230	Method of reducing interference between two communication systems operating in adjacent frequency bands	12/7/10	MTKI-10-0083US
45996762	US12/966411	US8654860	Apparatus and method for high efficiency video coding using flexible slice structure	12/13/10	MTKI-10-0211US
45698634	CN2011800054 08A	CN102713843	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-CN
45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP
45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP-DE
45698634	ES11819423T	ES2724523	Usb device enumeration method that includes detecting a type of usb host operating system	8/24/11	MTKI-10-0262PCT-EP-ES

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45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP-FR
45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP-GB
45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP-IT
45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP-NL
45698634	EP11819423A	EP2598991	Method of usb device enumeration including detecting operating system type of usb host	8/24/11	MTKI-10-0262PCT-EP-SE
45698634	IN278MUN2013A	IN2013MN00278	Method of usb device enumeration including detecting operating system type of usb host	2/7/13	MTKI-10-0262PCT-IN
45698634	US13/211072	US8661164	Method of usb device enumeration including detecting the operating system type of the usb host	8/16/11	MTKI-10-0262US
48191290	CN201280047295A	CN103828370	Buffer unit, way to play for time and entropy decoder	9/12/12	MTKI-11-0237PCT-CN
48191290	EP12844904A	EP2740270	Apparatus and method for buffering context arrays referenced for performing entropy decoding upon multi-tile encoded picture and related entropy decoder	9/12/12	MTKI-11-0237PCT-EP
48191290	US14/343388	US9538177	Apparatus and method for buffering context arrays referenced for performing entropy decoding upon multi-tile encoded picture and related entropy decoder	9/12/12	MTKI-11-0237PCT-US
48191290	US15/391854	US20170111664	Apparatus and method for buffering context arrays referenced for performing entropy decoding upon multi-tile encoded picture and related entropy decoder	12/28/16	MTKI-11-0237PCT-US-1
48191290	TW101140260A	TW1520582	Apparatus and method for buffering context arrays referenced for performing entropy decoding upon multi-tile encoded picture and entropy decoder	10/31/12	MTKI-11-0237TW
50029534	DE102012108091A	DE102012108091	Multiple input / multiple output antenna with electromagnetic bandgap structure	8/31/12	MTKI-12-0099DE
50029534	JP2013145332A	JP5686859	Mimo antenna having electromagnetic band gap structure	7/11/13	MTKI-12-0099JP
50029534	US13/588496	US9515387	Multi-input multi-output antenna with electromagnetic band-gap structure	8/17/12	MTKI-12-0099US
49482192	CN201280072564A	CN104246675	Proximity test device and proximity test method	9/20/12	MTKI-12-0105PCT-CN

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49482192	US14/396739	US10088290	Apparatus and method for performing proximity detection according to capacitive sensing output and status output	9/20/12	MTKI-12-0105PCT-US
51208993	BR112015017149A	BR112015017149	Radio link monitoring mechanism and radio link failure handling in small cell networks	1/16/14	MTKI-13-0328PCT-BR
54668480	CN201480004755A	CN105122863	Mechanism for radio link monitoring (rim) and radio link failure (rif) handling in small cell networks	1/16/14	MTKI-13-0328PCT-CN
51208993	EP14740194A	EP2805538	Mechanism for radio link monitoring and radio link failure handling in small cell networks	1/16/14	MTKI-13-0328PCT-EP
51208993	US14/636441	US9794839	Mechanism for radio link monitoring and radio link failure handling in small cell networks	3/3/15	MTKI-13-0328PCT-US
56622637	CN201610009031A	CN105898797	Mobile communication device and data processing method	1/7/16	MTKI-14-0063CN
56622637	US14/623090	US9699275	Apparatuses and methods for processing data communicated between different protocol layers	2/16/15	MTKI-14-0063US
52011033	CN201410756500A	CN104811226	Near field communication method and electronic installation	12/10/14	MTKI-14-0064CN
52011033	EP14195770A	EP2899895	Electronic devices, near field communication methods and near field communication systems	12/2/14	MTKI-14-0064EP
52011033	US14/519463	US9921672	Electronic devices, near field communication methods and near field communication systems	10/31/14	MTKI-14-0064US
52394976	EP15152487A	EP2900019	Handheld device, base station and transmission control method thereof	1/26/15	MTKI-14-0073EP
52394976	EP15152487A	EP2900019	Handheld device, base station and transmission control method thereof	1/26/15	MTKI-14-0073EP-DE
52394976	EP15152487A	EP2900019	Handheld device, base station and transmission control method thereof	1/26/15	MTKI-14-0073EP-GB
52394976	EP15152487A	EP2900019	Handheld device, base station and transmission control method thereof	1/26/15	MTKI-14-0073EP-NL
52394976	US14/604797	US9854519	Handheld device, base station and transmission control method thereof	1/26/15	MTKI-14-0073US
55990777	CN201510344333A	CN105611275	The multi-camera for executing electronic device captures the method and its equipment of control	6/19/15	MTKI-14-0115CN
55990777	US14/552465	US9906772	Method for performing multi-camera capturing control of an electronic device, and associated apparatus	11/24/14	MTKI-14-0115US
56130056	CN201510967306A	CN105718046	Head-mount display for eye tracking based on mobile device	12/21/15	MTKI-14-0227CN
56130056	US14/711606	US9791924	Eye tracking with mobile device in a head-mounted display	5/13/15	MTKI-14-0227US
	BR1120150276155		A localization-based beamforming scheme for systems with multiple antennas	12/26/14	MTKI-14-0430PCT-BR

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53477592	CN2014800682 13A	CN105850055	Localization-based beam forming scheme for systems with multiple antennas	12/25/14	MTKI-14-0430PCT-CN
53477592	EP14873402A	EP3005581	A localization-based beamforming scheme for systems with multiple antennas	12/25/14	MTKI-14-0430PCT-EP
53477592	EP14873402A	EP3005581	A localization-based beamforming scheme for systems with multiple antennas	12/25/14	MTKI-14-0430PCT-EP-DE
53477592	EP14873402A	EP3005581	A localization-based beamforming scheme for systems with multiple antennas	12/25/14	MTKI-14-0430PCT-EP-FR
53477592	EP14873402A	EP3005581	A localization-based beamforming scheme for systems with multiple antennas	12/25/14	MTKI-14-0430PCT-EP-GB
113709040 6	IN2210MUN20 15A	IN2015MN02210	A localization based beamforming scheme for systems with multiple antennas	8/3/15	MTKI-14-0430PCT-IN
53477592	US14/580224	US9755797	Localization-based beamforming scheme for systems with multiple antennas	12/23/14	MTKI-14-0430US
63761357	CN2017105367 98A	CN108738075	Flexible protocol data unit packing method and user equipment thereof	7/4/17	MTKI-15-0067CN
63761357	TW106119903 A	TW653866	Flexible protocol data unit packaging method and user equipment thereof	6/15/17	MTKI-15-0067TW
63761357	US15/486641	US10104579	User equipment and flexible protocol data unit packaging method thereof	4/13/17	MTKI-15-0067US
57440179	CN2016800313 94A	CN107615765	The method and apparatus of resource-sharing in video coding and decoding system between intra block replication mode and inter-frame forecast mode	6/3/16	MTKI-16-0058PCT-CN
57440179	EP16802585A	EP3298785	Method and apparatus for resource sharing between intra block copy mode and inter prediction mode in video coding systems	6/3/16	MTKI-16-0058PCT-EP
	P00201709862	IDP000066310	Method and Apparatus for Resource Sharing between Intra Block Copy Mode and Inter Prediction Mode in Video Coding Systems	6/3/16	MTKI-16-0058PCT-ID
57440179	MYP120177044 81A	MY183484	Method and apparatus for resource sharing between intra block copy mode and inter prediction mode in video coding systems	6/3/16	MTKI-16-0058PCT-MY
46145376	SG2013021787 A	SG188647	Apparatus and method of constrained partition size for high efficiency video coding	4/2/11	MTKI-16-0058PCT-SG
57440179	US15/578184	US10397588	Method and apparatus for resource sharing between intra block copy mode and inter prediction mode in video coding systems	6/3/16	MTKI-16-0058PCT-US

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55439142	CN2015800470 67A	CN106797471	Color index graph coding method for blocks in image by using palette prediction mode	9/2/15	MUSI-15-0081PCT-CN
55439142	EP15837985A	EP3180916	Method for color index coding using a generalized copy previous mode	9/2/15	MUSI-15-0081PCT-EP
55439142	US15/505972	US10448049	Method for color index coding using a generalized copy previous mode	9/2/15	MUSI-15-0081PCT-US
60941541	CN2017800378 30A	CN109716766	A kind of method and device filtering 360 degree of video boundaries	7/14/17	MUSI-16-0066PCT-CN
60941541	TW106123460 A	TW1655857	Method and apparatus for filtering 360-degree video boundaries	7/13/17	MUSI-16-0066TW
60941541	US15/647630	US10375371	Method and apparatus for filtering 360-degree video boundaries	7/12/17	MUSI-16-0066US

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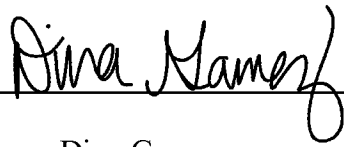
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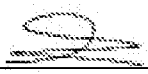
By: 

Name: Dina Gamez

Title: Managing Member

Date: 08/14/2023

**ASSIGNEE: Communication Advances LLC**

By: 

Name: Gautham Bodepudi

Title: Managing Member

Date: 08/15/2023