

IPR INFORMATION STATEMENT AND LICENSING DECLARATION

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IPR INFORMATION STATEMENT

In accordance with Clause 4.1 of the ETSI IPR Policy the Declarant and/or its AFFILIATES hereby informs ETSI that it is the Declarant's and/or its AFFILIATES' present belief that the IPR(s) disclosed in the attached *IPR Information Statement Annex* may be or may become ESSENTIAL in relation to at least the ETSI Work Item(s), STANDARD(S) and/or TECHNICAL SPECIFICATION(S) identified in the attached *IPR Information Statement Annex*.

The Declarant and/or its AFFILIATES (**check one box only**):

are the proprietor of the IPR(s) disclosed in the attached *IPR Information Statement Annex*.

are not the proprietor of the IPR(s) disclosed in the attached *IPR Information Statement Annex*.

IPR LICENSING DECLARATION

In accordance with Clause 6.1 of the ETSI IPR Policy the Declarant and/or its AFFILIATES hereby irrevocably declares the following (**check one box only, and subordinate box, where applicable**):

To the extent that the IPR(s) disclosed in the attached *IPR Information Statement Annex* are or become, and remain ESSENTIAL in respect of the ETSI Work Item, STANDARD and/or TECHNICAL SPECIFICATION identified in the attached *IPR Information Statement Annex*, the Declarant and/or its AFFILIATES are (1) prepared to grant irrevocable licences under this/these IPR(s) on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy; and (2) will comply with Clause 6.1 bis of the ETSI IPR Policy.

This irrevocable undertaking is made subject to the condition that those who seek licences agree to reciprocate (**check box if applicable**):

The Declarant and/or its AFFILIATES are not prepared to make the above IPR Licensing Declaration (reasons may be explained in writing in the attached *IPR Licensing Declaration Annex*).

The construction, validity and performance of this IPR information statement and licensing declaration shall be governed by the laws of France. Terms in ALL CAPS on this form have the meaning provided in Clause 15 of the ETSI IPR Policy.

SIGNATURE

By signing this IPR Information Statement and Licensing Declaration form, you represent that you have the authority to bind the Declarant and/or its AFFILIATES to the representations and commitments provided in this form.

Name of authorized person: Dr. Mang Zhu 
Title of authorized person: Chief IP Strategy Officer
Place, Date: ZTE Plaza, 55 Keji Road South, Hi-Tech Industrial Park, ShenZhen, China, 19/09/2018

ETSI Rules of Procedure, 29 November 2017

IPR Information Statement Annex

Disclos ure Number	STANDARD, TECHNICAL SPECIFICATION or ETSI Work Item				Proprietor	Application No.	Publication No.	Patent/Application Title	Country of registration	FURTHER INFORMATION		
	Project or Standard name	Work Item or Standard No.	Illustrative Specific part of the standard (e.g. Section)	Version (V.X.X.X)						Other members of this PATENT FAMILY, if any *		
									Application No.	Publication No.	Country of registration	
1	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN201510502527	CN106470485 A	Wireless resource selecting method and terminal device	CHINA			
2	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN201510624631	CN106559873 A	Information sending method and device	CHINA			
3	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN201510626163	CN106559446 A	Transmission method and apparatus for communication system in vehicles on road	CHINA			
4	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN2016167832	CN107027188 A	Resource allocation method, network side equipment and terminal	CHINA	WO2016CN109718	WO2017128878 A1	Patent Cooperation Treaty
5	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN2016175749	CN107040997 A	Resource configuration method and apparatus	CHINA	WO2016CN91771	WO2017133202 A1	Patent Cooperation Treaty
6	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN2016175749	CN107040997 A	Resource configuration method and apparatus	CHINA	WO2016CN91771	WO2017133202 A1	Patent Cooperation Treaty
7	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN2016180069	CN107040353 A	Indication method and device for sub-channel configuration	CHINA	WO2016CN105332	WO2017133292 A1	Patent Cooperation Treaty

8	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN2016181441	CN107041002 A	Method and device for indicating data channel subframes	CHINA	WO2017CN70969	WO2017133417 A1	Patent Cooperation Treaty
9	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN2016199239	CN107105000 A	V2X communication method and device	CHINA	WO2017CN73234	WO2017143913 A1	Patent Cooperation Treaty
10	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN20161322471	CN107371281 A	Resource priority determining method, resource priority processing device and system and UE	CHINA	WO2017CN83998	WO2017193972 A1	Patent Cooperation Treaty
11	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN20161654193	CN107734543 A	Resource configuration method and device	CHINA	WO2017CN94710	WO2018028441 A1	Patent Cooperation Treaty
12	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN20161664812	CN107733818 A	Data transmission method and device for end-to-end equipment	CHINA			
13	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN20161665322	CN107734548 A	Channel transmission method and device for V2X communication	CHINA	WO2017CN93236	WO2018028386 A1	Patent Cooperation Treaty
14	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN20161665882	CN107734649 A	Resource selection method and device for V2X communication	CHINA	WO2017CN95475	WO2018028475 A1	Patent Cooperation Treaty
15	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331			ZTE CORP	CN20161872702	CN107889219 A	Radio resource selection method, radio resource selection device and terminal	CHINA			
16	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.300 TS 36.331			ZTE CORP	CN201610959395	CN108024338 A	Subframe configuration method and device	CHINA			

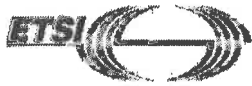
17	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN201510563143	CN106507449 A	Internet of Vehicles communication control method and internet of Vehicles communication control device	CHINA			
18	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN201510567283	CN106507500 A	Communication method and apparatus of internet of vehicles	CHINA			
19	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN201510623762	CN106559732 A	Vehicle-to-vehicle communication processing method and apparatus	CHINA			
20	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN20161319309	CN107371260 A	Resource request method and device and resource allocation method and device	CHINA	WO2017CN82237	WO2017193820 A1	Patent Cooperation Treaty
21	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN2016180068	CN107040959 A	Control method and device for business congestion of internet of vehicles	CHINA	WO2017CN71962	WO2017133501 A1	Patent Cooperation Treaty
22	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN2016180141	CN107040972 A	Path selection method and device	CHINA	WO2017CN72765	WO2017133644 A1	Patent Cooperation Treaty
23	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.321 TS 36.331 TS 36.423			ZTE CORP	CN20161200136	CN107295454 A	Resource configuration method and apparatus thereof	CHINA	WO2017CN79046	WO2017167287 A1	Patent Cooperation Treaty
24	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN201510505904	CN106470383 A	Information transmission method, apparatus and system of internet of vehicles	CHINA			
25		TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN2016177663	CN107040557 A	Resource application and allocation method, UE and network control unit	CHINA	WO2017CN72472	WO2017133592 A1	Patent Cooperation Treaty

26	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN2016179776	CN107040995 A	Method and apparatus for broadcasting communication V2X message of Internet of Vehicles, and method for establishing MBMS bearer	CHINA			
27	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN20161202549	CN107295657 A	Method and device for resource allocation	CHINA	WO2017CN72764	WO2017166921 A1	Patent Cooperation Treaty
28	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN20161204317	CN107295562 A	Resource configuration method, device and system, UE (User Equipment) and base station	CHINA	WO2017CN79106	WO2017167295 A1	Patent Cooperation Treaty
29	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN2016132684	CN106982455 A	Selective transmission method of service data packet, core network element and access network element	CHINA	WO2016CN11002 5	WO2017124862 A1	Patent Cooperation Treaty
30	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN2016132684	CN106982455 A	Selective transmission method of service data packet, core network element and access network element	CHINA	WO2016CN11002 5	WO2017124862 A1	Patent Cooperation Treaty
31	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN2016180181	CN107040996 A	Processing method and device for service identifier of Internet of vehicles	CHINA	WO2016CN10360 8	WO2017133277 A1	Patent Cooperation Treaty
32	LTE Advanced Pro/5G	TS 36.300 TS 36.306 TS 36.314 TS 36.331 TS 36.423			ZTE CORP	CN20161323454	CN107371139 A	Broadcast service transmission method, apparatus and system	CHINA	WO2017CN70909	WO2017193623 A1	Patent Cooperation Treaty
33	LTE Advanced Pro/5G	TS 36.211 TS 36.213 TS 36.300 TS 36.321 TS 36.331			ZTE CORP	CN2016180556	CN107040960 A	V2X communication method and apparatus in Internet of Vehicles	CHINA	WO2017CN71433	WO2017133446 A1	Patent Cooperation Treaty
34		TS 36.211 TS 36.213 TS 36.300 TS 36.321 TS 36.331			ZTE CORP	CN20161203782	CN107295679 A	Method and device for scheduling resources	CHINA	WO2017CN78621	WO2017167204 A1	Patent Cooperation Treaty

35	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.331 TS 36.413 TS 36.423			ZTE CORP	CN201510626785	CN106559914 A	Method, device and system for data transmission of Internet of vehicles	CHINA			
36	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.331 TS 36.413 TS 36.423			ZTE CORP	CN2016179310	CN107040898 A	Method for realizing Internet of Vehicles services and local network architecture	CHINA	WO2017CN71647	WO2017133467 A1	Patent Cooperation Treaty
37	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.331 TS 36.413 TS 36.423			ZTE CORP	CN2016180014	CN107041016 A	Message forwarding method, device and system	CHINA	WO2017CN72700	WO2017133629 A1	Patent Cooperation Treaty
38	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.331 TS 36.413 TS 36.423			ZTE CORP	CN2016180142	CN107041001 A	Determination method and device for communication resources	CHINA	WO2016CN110109	WO2017133334 A1	Patent Cooperation Treaty
39	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.331 TS 36.413 TS 36.423			ZTE CORP	CN20161864994	CN107889079 A	Resource using method and device, resource sending method and device, terminal, and base station	CHINA	WO2017CN103981	WO2018059486 A1	Patent Cooperation Treaty
40	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.331 TS 36.413 TS 36.423			???????????	CN2017126408	CN108307409 A		CHINA	WO2017CN106302	WO2018129968 A1	Patent Cooperation Treaty
41		TS 36.212 TS 36.213 TS 36.300 TS 36.321 TS 36.322 TS 36.331			ZTE CORP	CN2016172998	CN107027105 A	Method, device and system for transmitting vehicle-to-everything communications (V2X) message	CHINA	WO2016CN105222	WO2017133290 A1	Patent Cooperation Treaty
42	LTE Advanced Pro/5G	TS 36.212 TS 36.213 TS 36.300 TS 36.321 TS 36.322			ZTE CORP	CN20161202644	CN107295484 A	Method and mobile terminal for receiving multimedia broadcast multicast service, and base station	CHINA	WO2017CN70913	WO2017166900 A1	Patent Cooperation Treaty



43	LTE Advanced Pro/5G	TS 36.212 TS 36.213 TS 36.300 TS 36.321 TS 36.322			ZTE CORP	CN20161224141	CN107295669 A	Communication Interval configuration method and communication interval configuration device	CHINA	WO2016CN10872 7	WO2017177699 A1	Patent Cooperation Treaty
44	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141419466	CN105357162 A	Signal processing method, base station and terminal	CHINA	AU20150226655	AU2015226655 B2	AUSTRALIA
										BR20171103360	BR112017003360 A2	BRAZIL
										EP20150758527	EP3171561 A4	European Patent Office
										JP20170510627	JP2017532830 A	JAPAN
										KR20177004873	KR20170033416 A	KOREA (REPUBLIC OF)
										RU20170106622	RU2655915 C1	RUSSIAN FEDERATION
										US201515505615	US2018219667 A1	UNITED STATES
										WO2015CN72791	WO2015131749 A1	Patent Cooperation Treaty
45	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141623704	CN105577339 A	Data transmission method and apparatus	CHINA	WO2015CN87272	WO2016070667 A1	Patent Cooperation Treaty
46	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141423088	CN104301273 A	Method and base station for transmitting and receiving signals by using unauthorized carrier waves and user equipment	CHINA	CN20151439356	CN105162562 A	CHINA
										CN20151439952	CN105162563 A	CHINA
										EP20150836354	EP3188433 A4	European Patent Office
										JP20170511330	JP2017530616 A	JAPAN
										KR20177008217	KR20170051460 A	KOREA (REPUBLIC OF)
										US201515505925	US2017353866 A1	UNITED STATES
										US201515506255	US2017280331 A1	UNITED STATES
										WO2015CN87854	WO2016029826 A1	Patent Cooperation Treaty
										WO2015CN87855	WO2016029827 A1	Patent Cooperation Treaty
47	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141443895	CN105472744 A	Data transmission method and device	CHINA	EP20150838008	EP3177094 A4	European Patent Office
										US201515506992	US2017311291 A1	UNITED STATES
										WO2015CN77228	WO2016033976 A1	Patent Cooperation Treaty
48	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141531738	CN105578609 A	Method and system for realizing unauthorized carrier wave utilization right competition, and competition rollback method	CHINA	WO2015CN90175	WO2016054969 A1	Patent Cooperation Treaty



49	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141498625	CN105517181 A	Carrier wave resource processing method and device of unauthorized carrier waves and transmission node	CHINA	EP20150844680	EP3200546 A4	European Patent Office
										US201515514567	US2017231001 A1	UNITED STATES
										WO2015CN76005	WO2016045349 A1	Patent Cooperation Treaty
50		TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141465622	CN105407489 A	Frequency spectrum sharing method and transmission node	CHINA	WO2015CN79619	WO2016037495 A1	Patent Cooperation Treaty
51	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141675797	CN105682241 A	Unlicensed carrier occupation method and device	CHINA	WO2015CN80993	WO2016078396 A1	Patent Cooperation Treaty
52	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141623976	CN105634688 A	Method and device of realizing data transmission	CHINA	WO2015CN87685	WO2016070672 A1	Patent Cooperation Treaty
53	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016137437	CN106993332 A	Upstream scheduling method and device	CHINA	WO2016CN10994 8	WO2017124861 A1	Patent Cooperation Treaty
54		TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2015113146	CN105828448 A	Channel occupation method and device	CHINA	WO2015CN92334	WO2016110138 A1	Patent Cooperation Treaty
55		TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141624147	CN105636178 A	Unlicensed carrier occupation method and device	CHINA	WO2015CN87088	WO2016070666 A1	Patent Cooperation Treaty
56	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141419415	CN105376869 A	Method of sending finding signal on unlicensed carrier, system and access point	CHINA	EP20150758443	EP3185633 A4	European Patent Office
										US201515505249	US2017302496 A1	UNITED STATES
										WO2015CN71156	WO2015131686 A1	Patent Cooperation Treaty
57	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141626027	CN105634699 A	Carrier selecting method and device and access point	CHINA	EP20150858068	EP3217589 A4	European Patent Office
										US201515523696	US2017339696 A1	UNITED STATES
										WO2015CN78308	WO2016070597 A1	Patent Cooperation Treaty



58	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141625901	CN105636108 A	Unauthorized carrier measurement method and device	CHINA	EP20150856575	EP3217710 A4	European Patent Office
										US201515524016	US2017332264 A1	UNITED STATES
										WO2015CN76576	WO2016070578 A1	Patent Cooperation Treaty
59	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141419438	CN105376861 A	Sending method by occupying unlicensed carriers, system and access point	CHINA	EP20150758416	EP3197222 A4	European Patent Office
										JP20170529121	JP2017532917 A	JAPAN
										US201515505749	US2017272957 A1	UNITED STATES
										WO2015CN71336	WO2015131694 A1	Patent Cooperation Treaty
60	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141251231	CN105187153 A	Information feedback method, transmitting method, feedback device and transmitting device	CHINA	EP20140893782	EP3142270 A4	European Patent Office
										US201415316740	US2017155491 A1	UNITED STATES
										WO2014CN87576	WO2015184707 A1	Patent Cooperation Treaty
61	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141241173	CN105282858 A	Unauthorized carrier wave coordination and coordination processing method and device	CHINA	WO2014CN87610	WO2015180338 A1	Patent Cooperation Treaty
62	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141419912	CN105356967 A	Data processing method, base station and terminal	CHINA	EP20150758063	EP3185450 A4	European Patent Office
										US201515505250	US2017311337 A1	UNITED STATES
										WO2015CN71858	WO2015131730 A1	Patent Cooperation Treaty
63	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016142164	CN106992839 A	Data transmission method and device	CHINA	WO2017CN70646	WO2017124937 A1	Patent Cooperation Treaty
64	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016144826	CN106998583 A	Power control method and power control device	CHINA	WO2016CN10907 6	WO2017124846 A1	Patent Cooperation Treaty
65	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141623842	CN105592478 A	Signal detection processing method and apparatus	CHINA	WO2015CN79613	WO2016070607 A1	Patent Cooperation Treaty

66	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2014133396	CN104202749 A	Wireless resource determination and acquisition methods and devices	CHINA	EP20140879538	EP3099095 A4	European Patent Office
										US201415113924	US2016359593 A1	UNITED STATES
										WO2014CN83188	WO2015109805 A1	Patent Cooperation Treaty
67	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016137277	CN106992804 A	Method and device for transmitting sounding reference signal (SRS)	CHINA	WO2017CN71482	WO2017125009 A1	Patent Cooperation Treaty
68	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016132828	CN106982111 A	Method and device for reporting uplink control information UCI	CHINA	WO2016CN110110	WO2017124863 A1	Patent Cooperation Treaty
69	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016138891	CN106992847 A	Uplink data sending method and device, uplink data receiving method and device, terminal and base station	CHINA	WO2017CN71580	WO2017125022 A1	Patent Cooperation Treaty
70	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20161192843	CN107295620 A	Control method and device for uplink power	CHINA	WO2017CN75896	WO2017166982 A1	Patent Cooperation Treaty
71	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN2016144043	CN106993334 A	Data transmission method and device	CHINA	WO2017CN71963	WO2017125077 A1	Patent Cooperation Treaty
72	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20161322427	CN107370589 A	Signal transmission method and device and user equipment	CHINA	WO2017CN84176	WO2017194005 A1	Patent Cooperation Treaty

73	LTE Advanced Pro/5G	TS 36.211 TS 36.212 TS 36.213 TS 36.331 TS 37.213			ZTE CORP	CN20141315310	CN105282855 A	Resource grabbing method and site	CHINA	AU20150283419	AU2015283419 B2	AUSTRALIA
										CA20152954010	CA2954010 A1	CANADA
										EP20150814662	EP3154302 A4	European Patent Office
										JP20170500006	JP2017528939 A	JAPAN
										KR20177003013	KR20170028400 A	KOREA (REPUBLIC OF)
										RU20170101546	RU2017101546 A	RUSSIAN FEDERATION
										US201515323430	US2017142740 A1	UNITED STATES
										WO2015CN82126	WO2016000549 A1	Patent Cooperation Treaty
74	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201410148172	CN104185227 A	CSG access control method and system under double connection framework	CHINA	EP20140889608	EP3133864 A4	European Patent Office
										US201415304442	US2017048892 A1	UNITED STATES
										WO2014CN83248	WO2015158060 A1	Patent Cooperation Treaty
75	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20141153099	CN104980945 A	Method, system and base station for updating identity state of closed member group	CHINA	EP20140889151	EP3131341 A4	European Patent Office
										JP20170504215	JP6345336 B2	JAPAN
										US201415303498	US9749841 B2	UNITED STATES
										WO2014CN82841	WO2015154345 A1	Patent Cooperation Treaty
76	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510626593	CN106559808 A	Media access control (MAC) layer processing method and apparatus	CHINA			
77	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20141241029	CN105207754 A	Information sending method, information receiving method, device and system	CHINA	CN2015832496	CN106465139 A8	CHINA
										CN20171150784	CN107070596 A	CHINA
										EP20150799868	EP3151601 A4	European Patent Office
										EP20170170037	EP3220676 A1	European Patent Office
										JP20170152084	JP2017225158 A	JAPAN
										US201515314512	US2017195888 A1	UNITED STATES
										US201715587823	US2017245156 A1	UNITED STATES
WO2015CN77867	WO2015180551 A1	Patent Cooperation Treaty										
78	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2015146875	CN105992346 A	Data transmission method and data transmission station point	CHINA	CN20171272625	CN107071915 A	CHINA
										EP20160742661	EP3253146 A4	European Patent Office
										US201715664373	US2017347355 A1	UNITED STATES
										WO2016CN70875	WO2016119599 A1	Patent Cooperation Treaty



79	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151201492	CN106162658 A	Data transmission method	CHINA	WO2016CN77719	WO2016169399 A1	Patent Cooperation Treaty
80	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151419128	CN106358298 A	Method and device for transmitting data in unauthorized carrier waves	CHINA	WO2016CN87148	WO2017008623 A1	Patent Cooperation Treaty
81	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151145303	CN106160966 A	Data transmission method as well as selzing signal transmission method and device	CHINA	US201615563215	US2018091979 A1	UNITED STATES
										WO2016CN76789	WO2016155523 A1	Patent Cooperation Treaty
82	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510483317	CN106454854 A	Frequency spectrum sharing method and apparatus of unauthorized frequency spectrums	CHINA			
83	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510603282	CN106559906 A	Data transmission method, indication information sending method and device	CHINA			
84	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510479180	CN106455087 A	Competitive resource determining method and device	CHINA			
85	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151366754	CN106301733 A	Data transmission method and device	CHINA	EP20160813599	EP3316650 A1	European Patent Office
										US201615739694	US2016192442 A1	UNITED STATES
										WO2016CN81437	WO2016206483 A1	Patent Cooperation Treaty
86		TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP [CN]	WO2016CN78903	WO2016161980 A1	UNLICENSED CARRIER CONTENTION METHOD AND APPARATUS	Patent Cooperation Treaty	CN20161225022	CN106060956 A	CHINA
										EP20160776155	EP3282741 A4	European Patent Office
										JP20170553134	JP2018514158 A	JAPAN
										KR20177032655	KR20170136608 A	KOREA (REPUBLIC OF)
										US201615564798	US2016115995 A1	UNITED STATES

87	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN201510483679	CN106452701 A	Unauthorized multi-carrier listen before talk (LBT) execution method and device	CHINA	CN201610832017	CN106452708 A	CHINA
88	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN20151374253	CN106332286 A	Frequency spectrum resource allocation method and device	CHINA	EP20160817267	EP3319387 A1	European Patent Office
									US201615741212	US2018192409 A1	UNITED STATES
									WO2016CN87977	WO2017000903 A1	Patent Cooperation Treaty
89	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN20151377115	CN106332091 A	Method and device for managing patterns on unlicensed carrier	CHINA	EP20160817188	EP3319356 A4	European Patent Office
									US201615740385	US2018192441 A1	UNITED STATES
									WO2016CN86761	WO2017000824 A1	Patent Cooperation Treaty
90	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP [CN]	WO2016CN93896	WO2017025004 A1	METHOD AND DEVICE FOR COMPETING FOR ACCESS	Patent Cooperation Treaty	CN20161630612	CN106455117 A	CHINA
									EP20160834628	EP3334235 A4	European Patent Office
									US201615746170	US2018213563 A1	UNITED STATES
91	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN201510622363	CN106559795 A	Method and apparatus for determining LBT mode and the method for accomplishing LBT mode switching	CHINA			
92	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN20151747229	CN106686603 A	Clear channel assessment detection method and clear channel assessment detection device	CHINA	WO2016CN10464 2	WO2017076344 A1	Patent Cooperation Treaty
93	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN20151747076	CN106686727 A	Multi-carrier competitive access method, multi-carrier competitive access device and multi-carrier competitive access system	CHINA	WO2016CN10360 0	WO2017076219 A1	Patent Cooperation Treaty
94	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN20161194205	CN107295672 A	Uplink CCA detection method and apparatus, and terminal	CHINA	WO2017CN77348	WO2017167059 A1	Patent Cooperation Treaty
95	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213		ZTE CORP	CN20141241852	CN105162557 A	Hybrid automatic repeat request process indication method, apparatus and system	CHINA	EP20140893223	EP3139531 A1	European Patent Office
									US201415315278	US2017126365 A1	UNITED STATES
									WO2014CN86968	WO2015180308 A1	Patent Cooperation Treaty

96	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2015152329	CN105991497 A	Data transmission method and site	CHINA	WO2016CN72192	WO2016119684 A1	Patent Cooperation Treaty
97	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510489618	CN106455068 A	Transmission method and apparatus	CHINA			
98	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151243902	CN106304385 A	Multi-channel occupation method and apparatus	CHINA	WO2016CN78348	WO2016180098 A1	Patent Cooperation Treaty
99	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510483947	CN106455109 A	Multichannel time frequency resource competition method and multichannel time frequency resource competition device	CHINA			
100	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151715764	CN106656432 A	Information transmission method and apparatus	CHINA			
101	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2016166118	CN107027187 A	Processing method and device for measured quantity	CHINA	WO2017CN70879	WO2017128955 A1	Patent Cooperation Treaty
102	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510118125	CN106034018 A	Carrier wave multiplexing method and site thereof	CHINA			
103	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2015154861	CN105992373 A	Data transmission method, data transmission device, base station and user equipment	CHINA	EP20150879728	EP3253158 A4	European Patent Office
										US201515547298	US2018027493 A1	UNITED STATES
										WO2015CN97033	WO2016119530 A1	Patent Cooperation Treaty
104	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151738692	CN106658742 A	Method, device and system for data scheduling and transmission	CHINA	WO2016CN10217 9	WO2017076157 A1	Patent Cooperation Treaty



105		TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2015118155	CN105848165 A	Unauthorized resource use methods and system, base station, and user equipment	CHINA	WO2015CN92985	WO2016112721 A1	Patent Cooperation Treaty
106	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510484416	CN106453181 A	Information processing method, device and system	CHINA	EP20160834612	EP3334111 A1	European Patent Office
										US201615751138	US2018242372 A1	UNITED STATES
										WO2016CN93426	WO2017024988 A1	Patent Cooperation Treaty
107	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510484487	CN106453182 A	Preamble transmission method and apparatus	CHINA			
108	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161194904	CN107294671 A	Method and apparatus for sending randomly accessed sub frame	CHINA	WO2017CN77457	WO2017167066 A1	Patent Cooperation Treaty
109	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161201321	CN107295653 A	Method and device for allocating PRB resources in carriers	CHINA	WO2017CN77560	WO2017167078 A1	Patent Cooperation Treaty
110	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2016144856	CN106993335 A	Preamble transmission and receiving methods and devices, user equipment and base station	CHINA			
111	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161188092	CN107241802 A	Sending method and device for uplink control information (UCI)	CHINA	WO2017CN76507	WO2017167003 A1	Patent Cooperation Treaty
112	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161202559	CN107295677 A	Feedback method and device for performing clear channel assessment	CHINA	WO2017CN76511	WO2017167004 A1	Patent Cooperation Treaty
113	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161203748	CN107295696 A	Channel access method, device, UE and base station	CHINA	WO2017CN79149	WO2017167303 A1	Patent Cooperation Treaty



114	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2016159412	CN107018573 A	Method and device for notifying MIB (Mater Information Block) information	CHINA	WO2017CN71432	WO2017129002 A1	Patent Cooperation Treaty
115	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161300375	CN106162898 A	Method and device for unauthorized carrier wave treatment	CHINA	EP20160795818	EP3297380 A4	European Patent Office
										JP20170559695	JP2018516010 A	JAPAN
										WO2016CN81611	WO2016184331 A1	Patent Cooperation Treaty
116	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161204328	CN107294686 A	Sounding reference signal transmitting method and device, sounding reference signal receiving method and device, UE and base station	CHINA	WO2017CN79186	WO2017167304 A1	Patent Cooperation Treaty
117	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161225022	CN106060956 A	Unlicensed carrier competition method and device	CHINA	EP20160776155	EP3282741 A4	European Patent Office
										JP20170553134	JP2018514158 A	JAPAN
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										US201615564798	US2018115995 A1	UNITED STATES
										WO2016CN78903	WO2016161980 A1	Patent Cooperation Treaty
118	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161200181	CN107295676 A	Data transmission method and apparatus thereof	CHINA	WO2017CN76773	WO2017167014 A1	Patent Cooperation Treaty
119	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20091007613	CN101800936 B	Method for transmitting control signaling of broadcast/multicast service (BCMCS) and base station	CHINA	EP20100740894	EP2398258 B1	European Patent Office
										US201013148266	US8780780 B2	UNITED STATES
										WO2010CN70192	WO2010091605 A1	Patent Cooperation Treaty
120	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151250595	CN106304097 A	Resource use method, device and system	CHINA	US201615574463	US2018132137 A1	UNITED STATES
										WO2016CN73951	WO2016184190 A1	Patent Cooperation Treaty
121	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2015133150	CN105873073 A	Wireless communication system non-authorized spectrum sharing method and device	CHINA	WO2015CN87684	WO2016115894 A1	Patent Cooperation Treaty

122	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151250541	CN106304092 A	Method and device for sharing unauthorized frequency spectrum	CHINA	WO2016CN75481	WO2016184219 A1	Patent Cooperation Treaty
123	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			Unknown Company (CN20111199384)	CN20111199384	CN102300244 A		CHINA	EP20110865564	EP2763480 A4	European Patent Office
										US201114364701	US9629014 B2	UNITED STATES
										WO2011CN85023	WO2012155520 A1	Patent Cooperation Treaty
124	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			?????????? ZTE CORPORATION,	CN20121146600	CN103391631 B	Sending method and device for channel state information-reference symbol (CSI-RS)	CHINA			
125	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2013174674	CN104038312 A	Method and apparatus for determining instruction signaling of channel measurement pilot frequency, and channel state information feedback method and apparatus	CHINA	EP20140760993	EP2966931 A4	European Patent Office
										US201414773669	US2016029238 A1	UNITED STATES
										WO2014CN72977	WO2014135100 A1	Patent Cooperation Treaty
126	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151250556	CN106304371 A	Data transmission method, device and system, terminal and base station	CHINA	WO2016CN75491	WO2016184220 A1	Patent Cooperation Treaty
127	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			?????????? ZTE CORPORATION,	CN2012118990	CN103220809 B	Downlink physical control channel sending method and receiving method and corresponding devices	CHINA			
128	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP [CN]	WO2015CN89193	WO2016119466 A1	PROCESSING METHOD AND DEVICE FOR DISCOVERY SIGNAL	Patent Cooperation Treaty	CN20151170359	CN106162922 A	CHINA
										EP20150879664	EP3253165 A4	European Patent Office
										US201515546855	US2018027481 A1	UNITED STATES
129	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510449433	CN106411805 A	Sending method of synchronizing signal of unauthorized carriers and base station	CHINA			
130	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510458853	CN106413109 A	Method and apparatus for sending signals by employing unlicensed carriers	CHINA	US201615747767	US2018213564 A1	UNITED STATES
										WO2016CN78854	WO2016180122 A1	Patent Cooperation Treaty

131	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510466397	CN106413096 A	Uplink carrier selection method, network-side network element and user equipment	CHINA			
132	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510623692	CN106559880 A	Discovery reference signal and physical downlink shared channel multiplexing transmitting, receiving method and device	CHINA	EP20160847788	EP3355635 A1	European Patent Office
133	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151752708	CN106686604 A	Signal processing method and base station	CHINA	CN20161365160	CN106686733 A	CHINA
										WO2016CN93248	WO2017076085 A1	Patent Cooperation Treaty
										WO2016CN93257	WO2017076090 A1	Patent Cooperation Treaty
134	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510622444	CN106559826 A	Unauthorized carrier measurement gap configuration and measurement method and corresponding base station and terminal	CHINA			
135	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151437678	CN106375044 A	Channel state information (CSI) measurement feedback method of unauthorized carrier waves, base station, and terminal	CHINA	WO2016CN74734	WO2017012346 A1	Patent Cooperation Treaty
136	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2015163291	CN105992323 A	Non-authorization carrier power control method and device	CHINA	EP20150880941	EP3255935 A4	European Patent Office
										US201515548651	US2018007644 A1	UNITED STATES
										WO2015CN91488	WO2016123999 A1	Patent Cooperation Treaty
137	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201610140536	CN107182092 A	Method and apparatus for sending SRS	CHINA			
138	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN2016182886	CN107046724 A	Uplink signal/channel sending method and device	CHINA	WO2016CN10210 6	WO2017133270 A1	Patent Cooperation Treaty

139	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201310342092	CN104349442 A	Downlink power regulation notifying method and device and downlink power regulation acquisition method and device	CHINA			
140	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20161365160	CN106686733 A	Signal processing method and base station	CHINA	CN20151752708	CN106686604 A	CHINA
										WO2016CN93248	WO2017076085 A1	Patent Cooperation Treaty
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141	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20131185899	CN104168636 A	Small cell power control method and device	CHINA	EP20140797743	EP2991414 A4	European Patent Office
										JP20160513219	JP2016518795 A	JAPAN
										US201414891439	US2016105853 A1	UNITED STATES
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142	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20131186324	CN104168615 A	Signal sending method and device	CHINA	EP20140797727	EP2991408 A4	European Patent Office
										JP20160513216	JP2016524847 A	JAPAN
										US201414891052	US9900130 B2	UNITED STATES
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143	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN201510458970	CN106411455 A	Channel state information measuring method and apparatus	CHINA			
144	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151251325	CN106304345 A	Uplink resource distribution method, base station and user terminal	CHINA	WO2016CN81009	WO2016184307 A1	Patent Cooperation Treaty
145	LTE Advanced Pro/5G	TS 36.213 TS 36.300 TS 36.321 TS 36.331 TS 37.213			ZTE CORP	CN20151245540	CN106304298 A	Non-authoritative resource uplink power control method and system, terminal and base station	CHINA	WO2016CN76332	WO2016180077 A1	Patent Cooperation Treaty

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