

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7915664

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	12/31/2022

CONVEYING PARTY DATA

Name	Execution Date
ZTE CORPORATION	03/07/2023

RECEIVING PARTY DATA

Name:	ADVANCED STANDARD COMMUNICATION LLC
Street Address:	675 TOWN SQUARE BLVD., SUITE 200
City:	GARLAND
State/Country:	TEXAS
Postal Code:	75040

PROPERTY NUMBERS Total: 42

Property Type	Number
Application Number:	15308368
Application Number:	15316740
Application Number:	15322454
Application Number:	15326415
Application Number:	15501299
Application Number:	15505928
Application Number:	16323484
Application Number:	17308254
Application Number:	13696295
Application Number:	15773264
Application Number:	16480666
Application Number:	13140416
Application Number:	13508775
Application Number:	13139706
Application Number:	14005867
Application Number:	13985105
Application Number:	13509152
Application Number:	13257900
Application Number:	13258184

PATENT

Property Type	Number
Application Number:	14375024
Application Number:	14406021
Application Number:	14906010
Application Number:	15573864
Application Number:	16070874
Application Number:	16079501
Application Number:	16301351
Application Number:	15328314
Application Number:	13119460
Application Number:	13978688
Application Number:	13638127
Application Number:	13635981
Application Number:	14647192
Application Number:	14404630
Application Number:	14424271
Application Number:	14430409
Application Number:	14439692
Application Number:	14649290
Application Number:	14772844
Application Number:	14784434
Application Number:	15006493
Application Number:	14909418
Application Number:	15114040

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	ELLEN S. SIMPSON
SIGNATURE:	/Ellen S. Simpson/
DATE SIGNED:	04/23/2023

Total Attachments: 3
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**Confirmatory Deed of Assignment
and Consent to Recordal
United States of America**

THIS DEED is made between:

ZTE CORPORATION, a company duly organized and existing under the Laws of China, of *ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057, China* ("the Assignor");

and

Advanced Standard Communication LLC, a company duly organized and existing under the Laws of Delaware, of 675 Town Square Blvd., Suite 200, Garland, TX 75040, United States ("the Assignee");

WHEREAS:

- (a) The Assignor was the proprietor of the patents in the United States of America as set out in the attached schedule marked "Annex A" and
- (b) Pursuant to the Patent Purchase Agreement dated **December 31st, 2022**, Assignor has assigned Assignor's entire right, title and interest in and to the patents to the Assignee.
- (c) The Assignment of the afore-mentioned patents became effective on the 31 day of December 2022

IT IS AGREED THAT:

For consideration of the sum of 1 USD, receipt of which is hereby acknowledged by the Assignor, the Assignor hereby confirms that it has assigned, transferred and set over unto the Assignee, its successors and assigns, effective on **December 31st, 2022**, all right, title and interests in **the United States of America** in the patents together with the goodwill of the business represented and symbolised by the patents and the Assignee accepts the said assignment.

IN WITNESS WHEREOF, the Assignor and Assignee have caused this Assignment to be executed by their authorized representatives.

Signed as a Deed in Munich on behalf of the **Assignor** this 07 day of March, 2023
by



Dobrosława Domitrz, Proxy-Holder
ZTE CORPORATION

Signed as a Deed in Munich on behalf of the **Assignee** this 07 day of March, 2023
by



Monica Marcela Kerndl, Proxy-Holder
**Advanced Standard Communication
LLC**

**PATENT
REEL: 063409 FRAME: 0195**

Annex A

IPR Name	Application No.	Grant No.
METHOD AND DEVICE FOR UPDATING MULTIMEDIA BROADCAST MULTICAST CONTROL CHANNEL INFORMATION	US15308368	US10313185B2
Information Feedback Method, Transmission Method, Feedback Device and Transmission Device	US15316740	US10819492B2
METHOD, EQUIPMENT, DEVICE AND SYSTEM FOR SENDING DEVICE DETECTION SIGNAL	US15322454	US10097407B2
OPTIMIZING PROCESSING METHOD AND APPARATUS FOR D2D SERVICE	US15326415	US10285209B2
METHOD AND DEVICE FOR PROCESSING D2D COMMUNICATION, D2D COMMUNICATION DEVICE AND eNodeB	US15501299	US10231244B2
Method and Apparatus for Acquiring Resources	US15505928	US10631344B2
RADIO ACCESS METHOD, APPARATUS, SYSTEM, AND COMPUTER STORAGE MEDIUM	US16323484	US11039379B2
RADIO ACCESS METHOD, APPARATUS, SYSTEM, AND COMPUTER STORAGE MEDIUM	US17308254	
Method and System for Processing Measurement Event in Multi-Carrier System	US13696295	US9380482B2
REFERENCE SIGNAL TRANSMITTING METHOD AND DEVICE, AND REFERENCE SIGNAL RECEIVING METHOD AND DEVICE	US15773264	US10749645B2
DATA TRANSMISSION METHOD AND APPARATUS FOR ESTABLISHING A RADIO BEARER ON MULTIPLE CELLS	US16480666	US11064399B2
METHOD FOR RESELECTION AMONG HOME BASE STATION CELLS	US13140416	US8660089B2
METHOD FOR ACQUIRING PACKET DATA CONVERGENCE PROTOCOL STATUS REPORT AND PACKET DATA CONVERGENCE PROTOCOL ENTITY	US13508775	US8743831B2
Method and device for notifying handover failure indication information	US13139706	US9521594B2
Method for Switchover between MBMS Transmission Modes, Apparatus, and User Equipment	US14005867	US9166808B2
METHOD AND SYSTEM FOR PRECODING OPEN LOOP SPATIAL MULTIPLEXING AND PRECODING INDICATION METHOD	US13985105	US9331770B2
METHOD AND SYSTEM FOR REALIZING SESSION HANDOVER	US13509152	US8509781B2
POLICY AND CHARGING CONTROL METHOD AND SYSTEM FOR MULTI-PDN CONNECTIONS OF SINGLE APN	US13257900	US8799440B2
METHOD FOR RESELECTING BEARER BINDING AND EVENT REPORT FUNCTION	US13258184	US8943165B2
Method and system for identifying application detection and control function mode	US14375024	US9532205B2
Processing Method and Device for Performing Space-Time Decoding on MIMO Signal	US14406021	US9172450B2
Method and device for acquiring channel information	US14906010	US9647739B2
HARQ SENDING AND RECEIVING METHODS AND DEVICES, AND NODE	US15573864	US10749636B2
METHOD AND APPARATUS FOR SENDING AND RECEIVING UPLINK DATA, TERMINAL, AND BASE STATION	US16070874	US10813129B2
V2X COMMUNICATION METHOD AND DEVICE	US16079501	US10721592B2
METHOD FOR DETERMINING PRIORITY OF RESOURCE, PROCESSING DEVICE, SYSTEM, AND UE	US16301351	US10785779B2
Optimized Processing Method and Apparatus for Terminal Service Migration	US15328314	US10425843B2

Annex A

IPR Name	Application No.	Grant No.
METHOD FOR DETERMINING RANDOM ACCESS CHANNEL NUMBER AND SENDING SOUNDING REFERENCE SIGNAL	US13119460	US8498226B2
METHOD AND SYSTEM FOR TRANSMITTING POSITION REFERENCE SIGNAL SUBFRAME	US13978688	US9603135B2
METHOD AND APPARATUS FOR GENERATING SECONDARY SYNCHRONIZATION SIGNALS	US13638127	US8798218B2
RADIO FRAME AND SOUNDING REFERENCE SIGNAL SENDING METHOD IN MOBILE COMMUNICATION SYSTEM	US13635981	US9060304B2
INFORMATION PROCESSING METHOD AND METHOD FOR UE RANDOM ACCESSING LTE SYSTEM	US14647192	US9774983B2
Methods, devices and system for transmitting sounding reference signal and User Equipment	US14404630	US9509472B2
Physical downlink shared channel transmission method and system	US14424271	US9538524B2
Method and device for detecting control signalling and implementing control signalling detection	US14430409	US9509476B2
METHOD FOR TRANSMITTING ENHANCED RANDOM ACCESS SEQUENCE AND MACHINE TYPE COMMUNICATION TERMINAL	US14439692	US9572181B2
Method for transmitting pseudolite system messages, pseudolite positioning system and associated device	US14649290	US9638804B2
RESOURCE MAPPING AND RECEIVING METHODS AND DEVICES AND SIGNALLING NOTIFICATION AND ACQUISITION METHODS AND DEVICES	US14772844	US10009158B2
MULTI-SUBFRAME SCHEDULING METHOD, DEVICE AND SYSTEM	US14784434	US9877341B2
Method for Measuring Discovery Signal, Base Station, and Terminal	US15006493	US9769690B2
Uplink Control Information Sending Method, and User Equipment and Base Station	US14909418	US9877311B2
METHOD AND APPARATUS FOR SENDING DEVICE-TO-DEVICE SYNCHRONIZATION SIGNAL, AND USER EQUIPMENT	US15114040	US10085226B2