

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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DELL INC.,  
ZTE (USA) INC.,  
and  
ZTE CORPORATION,  
Petitioners,

v.

3G LICENSING S.A.,  
Patent Owner.

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Case No. IPR2020-01157

U.S. Patent No. 7,274,933

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**Petitioners' Reply to Patent Owner's Preliminary Response to the  
Petition for *Inter Partes* Review of U.S. Patent No. 7,274,933**

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**PETITIONERS' EXHIBIT LIST**

<b>Exhibit No.</b>	<b>Description</b>
1001	U.S. Patent No. 7,274,933 (“the ’933 patent”)
1002	Copy of Prosecution History of the ’933 patent
1003	Declaration of Dr. Apostolos Kakaes
1004	U.S. Patent Appl. Publ. No. 2003/0022689 (“McElwain”)
1005	U.S. Patent Appl. Publ. No. 2004/0204136 (“Uchida”)
1006	U.S. Patent No. 7,027,813 (“Hicks”)
1007	3rd Generation Partnership Project; Technical Specification Group Core Network; NAS Functions related to Mobile Station (MS) in idle mode (Release 5) (3GPP TS 23.122 V5.2.0) (“TS-23.122”)
1008	3rd Generation Partnership Project; Technical Specification Group Services and System Aspects – Service aspects; Service principles (Release 5) (3GPP TS 22.101 V5.8.0) (“TS-22.101”)
1009	3rd Generation Partnership Project; Technical Specification Group Terminals; Characteristics of the USIM Application (Release 5) (3GPP TS 31.102 V5.3.0) (“TS-31.102”)
1010	Declaration of Craig Bishop
1011	Complaint for Patent Infringement, No. 1:19-cv-01247-LPS (D. Del. July 1, 2019)
1012	Complaint for Patent Infringement, No. 3:19-cv-01694 (N.D. Tex. July 15, 2019)
1013	Amended Complaint for Patent Infringement, No. 1:19-cv-01140-MN (D. Del. July 15, 2019)
1014	Third Amended Complaint for Patent Infringement, No. 1:19-cv-01144-MN (D. Del. Feb. 28, 2020)
1015	Amended Complaint for Patent Infringement, No. 1:20-cv-20813 (S.D. Fl. Mar. 25, 2020)
1016	EIA/TIA-553 Standard (AMPS)
1017	Excerpts from EIA/TIA/IS-54 Standard (Digital AMPS)

<b>Exhibit No.</b>	<b>Description</b>
1018	Excerpts from TIA/EIA/136.1 Standard
1019	Excerpts from TIA/EIA/IS-136.2-A Standard
1020	Excerpts from TIA/EIA/IS-95 Standard
1021	Excerpts from T. Halonen et al., "GSM, GPRS and EDGE Performance: Evolution Towards 3G/UMTS" (2d ed. Wiley 2003)
1022	3rd Generation Partnership Project; Technical Specification Group Terminals Specification of the Subscriber Identity Module – Mobile Equipment (SIM - ME) interface (Release 1999) (3GPP TS 11.11 V8.6.0) ("TS-11.11")
1023	Excerpts from A. Mehrotra, "GSM System Engineering" (Artech House 1997)
1024	U.S. Patent No. 5,950,130 ("the '130 patent")
1025	U.S. Patent No. 5,862,471 ("the '471 patent")
1026	U.S. Patent No. 6,195,532 ("Bamburak")
1027	U.S. Patent Appl. Publ. No. 2001/0001875 ("Hirsch")
1028	U.S. Patent Appl. Publ. No. 2002/0111180 ("Hogan")

**TABLE OF ABBREVIATIONS AND CONVENTIONS**

<b>Abbreviation</b>	<b>Meaning</b>
3GPP	3rd Generation Partnership Project
HPLMN	Home Public Land Mobile Network
MCC	Mobile Country Code
MNC	Mobile Network Code
Pet.	Petition for <i>Inter Partes</i> Review of U.S. Patent No. 7,274,933 (IPR2020-01157, Paper 4)
POSITA	person of ordinary skill in the art
SID	system identification code

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