

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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CRADLEPOINT, INC., DELL INC., HONEYWELL INTERNATIONAL, INC.,  
SIERRA WIRELESS, INC., TCL COMMUNICATION TECHNOLOGY  
HOLDINGS LIMITED, TCT MOBILE INTERNATIONAL LIMITED, TCT  
MOBILE, INC., TCT MOBILE (US) INC., TCT MOBILE (US)  
HOLDINGS INC., THALES DIS AIS DEUTSCHLAND GMBH,  
ZTE CORPORATION, AND ZTE (USA) INC.  
Petitioners,

v.

3G LICENSING S.A.,  
Patent Owner.

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Case No. IPR2021-01141

U.S. Patent No. 7,215,653

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**DECLARATION OF RAZIQ YAQUB (Ph.D.) IN SUPPORT OF PETITION  
FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 7,215,653**

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Document	Description
Appendix A	Curriculum Vitae

## TABLE OF EXHIBITS

Exhibit	Description
1003	3rd Generation Partnership Project 2 (“3GPP2”), Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”); Contribution C5020010507-015 “Effective Reverse Link Data Rate Control for 1xEV-DV —r2,” dated May 7, 2001 (“Samsung”)
1004	3rd Generation Partnership Project 2 (“3GPP2”), Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”); Contribution C5020010212-011 “Per-User Reverse Rate Control for Shared Packet Data Channel in 1xEV-DV,” dated February 12, 2001 (“Airvana”)
1006	3rd Generation Partnership Project 2 (“3GPP2”), Specification C.S0002-0 v1.0 “Physical Layer Standard for cdma2000 Spread Spectrum Systems” (July 1999), published October 1999 (“C.S0002-0”)
1008	3rd Generation Partnership Project 2 (“3GPP2”), Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”); Contribution C5020010709-009 “LGE’s Reverse Link Proposal,” dated July 9, 2001
1009	3rd Generation Partnership Project 2 (“3GPP2”), Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”); LGE Contribution C50-20010212-025 “Reverse Link Variable Data Rates with Dedicated RA (Reverse Activity) Bits
1010	Declaration of Dr. Raziq Yaqub in Support of Petition for Inter Partes Review of U.S. Patent No. 7,215,653 (“Yaqub Dec.”)

I, Raziq Yaqub, hereby declare as follows:

## **I. INTRODUCTION AND ASSIGNMENT**

1. I have been retained on behalf of Cradlepoint, Inc., Dell Inc., Honeywell International, Inc., Sierra Wireless, Inc., TCL Communication Technology Holdings Limited, TCT Mobile International Limited, TCT Mobile, Inc., TCT Mobile (US) Inc., TCT Mobile (US) Holdings Inc., Thales DIS AIS Deutschland GmbH, ZTE Corporation, and ZTE (USA) Inc. (collectively, “Petitioners”) to offer opinions related to U.S. Patent No. 7,215,653 (“the ’653 patent”) (Exhibit 1001). I understand that Petitioners are requesting that the Patent Trial and Appeal Board (“PTAB” or “Board”) institute an *inter partes* review (“IPR”) proceeding of the ’653 patent.

### **A. Compensation**

2. I am not, and never have been, an employee of any of the Petitioners. I will receive no compensation for this Declaration beyond my normal hourly compensation of \$450 per hour based on my time actually spent on this matter, and I will not receive any added compensation based on the outcome of any IPR or other proceeding involving the ’653 patent.

### **B. Materials Reviewed**

3. In preparing this declaration I have reviewed Exhibits 1003, 1004, 1006, 1008, and 1009, and the attachments to this declaration. For example, I have considered:



- 3rd Generation Partnership Project 2 (“3GPP2”) Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”) Contribution C5020010507-015 “Effective Reverse Link Data Rate Control for 1xEV-DV —r2,” dated May 7, 2001 (“Samsung”) in Exhibit 1003;
- 3GPP2 Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”) Contribution C5020010212-011 “Per-User Reverse Rate Control for Shared Packet Data Channel in 1xEV-DV,” dated February 12, 2001 (“Airvana”) in Exhibit 1004;
- 3GPP2 Specification C.S0002-0 v1.0 “Physical Layer Standard for cdma2000 Spread Spectrum Systems” (July 1999), published October 1999 (“C.S0002-0”) in Exhibit 1006;
- 3GPP2 Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”) Contribution C50-20010709-009 “LGE’s Reverse Link Proposal,” dated July 9, 2001, in Exhibit 1008;
- 3GPP2 Technical Specification Group C (“TSG-C”), Working Group 5 (“WG5”) LGE Contribution C50-20010212-025 “Reverse Link Variable Data Rates with Dedicated RA (Reverse Activity) Bits” in Exhibit 1009;

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