UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

LG ELECTRONICS, INC.

Petitioner

v.

UNILOC 2017 LLC,

Patent Owner

IPR2018-01577

PATENT 7,653,508

DECLARATION OF WILLIAM C. EASTTOM II (CHUCK EASTTOM)

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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,
Petitioner
v.
UNILOC LUXEMBOURG S.A.
Patent Owner

Case No. IPR2018-387
U.S. PATENT NO. 7,653,508

DECLARATION OF WILLIAM C. EASTTOM II (CHUCK EASTTOM)

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A. continuously determining an orientation of the inertial sensor; 10

B. assigning a dominant axis; 11

C. updating the dominant axis as the orientation of the inertial sensor changes; and 13

D. Claim 11 a dominant axis logic to continuously determine an orientation of a device, to assign a dominant axis, and to update the dominant axis as the orientation of the device changes, ... 13

E. Claim 6 A method of monitoring human activity using an inertial sensor, comprising: 14

F. Claim 6 switching the device from the non-active mode to an active mode, after identifying a number of periodic human motions within appropriate cadence windows; 15

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I. INTRODUCTION

1. I have been retained by Uniloc to provide my expert opinions regarding validity of U.S. Patent No. 8,712,508 ("508 Patent"). Specifically, I have been asked to provide expert opinions regarding Claims 1-3, 5-7, and 10-18.

2. I am being compensated for my time at my standard consulting rate of $300 per hour. I am also being reimbursed for expenses that I incur during the course of this work. My compensation is not contingent upon the results of my study or the substance of my opinions.

II. BACKGROUND AND QUALIFICATIONS

3. I have 25+ years of experience in the computer science industry including extensive experience with computer security, computer programming, and computer networking. I have authored 26 computer science books, including textbooks used at universities around the world. I hold 42 different computer industry certifications, including many in networking subjects. I am experienced with multiple programming languages. I also have extensive experience in computer networking. I have extensive experience with mobile devices, including all aspects of mobile devices (hardware and software). I am a Distinguished Speaker for the Association of Computing Machinery (ACM), and a reviewer for the IEEE Security and Privacy journal, as well as a reviewer for the International Journal of Cyber Warfare and Terrorism (IJCWT). My CV is attached as appendix A.

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