

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent of: Michael J. Koss  
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Title: CONFIGURING WIRELESS DEVICES FOR A WIRELESS  
INFRASTRUCTURE NETWORK

**DECLARATION OF DR. JEREMY COOPERSTOCK**

**TABLE OF CONTENTS**

**I. INTRODUCTION .....1**

**II. QUALIFICATIONS .....2**

**III. BACKGROUND .....4**

**IV. SUMMARY OF MY OPINIONS.....7**

**V. OVERVIEW OF THE '451 PATENT .....7**

    A. Brief Description..... 8

    B. Summary Of The Prosecution History..... 11

    C. Interpretations of Claim Terms ..... 13

    D. Person of Ordinary Skill in the Art..... 14

**VI. OVERVIEW OF PRIOR ART.....14**

    A. The Scherzer-Subramaniam Combination..... 14

        1. Overview of Scherzer ..... 14

        2. Overview of Subramaniam ..... 19

        3. Combination of Scherzer and Subramaniam ..... 27

    B. The Scherzer-Subramaniam-Baxter Combination ..... 37

        1. Overview of Baxter..... 37

        2. Combination of Scherzer, Subramaniam, and Baxter..... 39

    C. The Scherzer-Subramaniam-Drader Combination ..... 42

        1. Overview of Drader ..... 42

        2. Combination of Scherzer, Subramaniam, and Drader ..... 44

    D. The Scherzer-Subramaniam-Ramey Combination ..... 45

        1. Ramey ..... 45

        2. Combination of Scherzer, Subramaniam, and Ramey ..... 46

    E. The Scherzer-Subramaniam-Montemurro Combination ..... 47

        1. Overview of Montemurro ..... 47

        2. Combination of Scherzer, Subramaniam, and Montemurro ..... 52

    F. The Scherzer-Subramaniam-Gupta Combination..... 54

        1. Overview of Gupta..... 54

        2. Combination of Scherzer, Subramaniam, and Gupta..... 54

<b>VII. ANALYSIS OF THE PRIOR ART.....</b>	<b>55</b>
<b>A. Claims 1, 6, 12, 13, And 16-20 Would Have Been Obvious Over Subramaniam And Scherzer.....</b>	<b>55</b>
1. Claim 1.....	55
1. Claims 6, 12, 13, and 16-20 .....	71
1. Claims 18-20.....	78
<b>B. Claims 2, 7-10, and 21 Would Have Been Obvious Over Subramaniam, Scherzer, and Baxter .....</b>	<b>98</b>
1. Claims 2, 7-10, and 21 .....	98
<b>C. Claims 3 and 4 Would Have Been Obvious Over Subramaniam, Scherzer, and Drader 103</b>	
1. Claims 3 and 4 .....	103
<b>D. Claim 5 Would Have Been Obvious Over Subramaniam, Scherzer, and Ramey 103</b>	
1. Claim 5.....	103
<b>E. Claims 11 and 15 Would Have Been Obvious Over Subramaniam, Scherzer, and Montemurro .....</b>	<b>104</b>
1. Claims 11 and 15 .....	104
<b>F. Claim 14 Would Have Been Obvious Over Subramaniam, Scherzer, and Gupta 107</b>	
1. Claim 14.....	107
<b>VIII. LEGAL PRINCIPLES.....</b>	<b>109</b>
<b>A. Perspective of One of Ordinary Skill in the Art .....</b>	<b>109</b>
<b>B. Anticipation.....</b>	<b>109</b>
<b>C. Obviousness .....</b>	<b>110</b>
<b>D. Claim Construction Standard.....</b>	<b>114</b>
<b>IX. ADDITIONAL REMARKS.....</b>	<b>115</b>

1. I, Jeremy Cooperstock, of Montreal, Canada, declare that:

**I. INTRODUCTION**

2. I have been retained by Fish & Richardson, P.C., on behalf of Apple Inc. (“Petitioner”), as an independent expert consultant in this *inter partes* review (“IPR”) proceeding before the United States Patent and Trademark Office (“PTO”).

3. I have been asked by Petitioner’s counsel (“Counsel”) to consider whether certain references teach or suggest the features recited in Claims 1-21 of U.S. Patent No. 10,298,451 (“the ’451 patent”) (APPLE-1001). My opinions and the bases for my opinions are set forth below. My opinions are based on my education and experience.

4. In writing this Declaration, I have considered the following: my own knowledge and experience, including my teaching and work experience in the above fields; and my experience of working with others involved in those fields.

5. I have no financial interest in either party or in the outcome of this proceeding. I am being compensated for my work as an expert on an hourly basis, for all tasks involved. My compensation is not dependent on the outcome of these proceedings or on the content of my opinions.

## II. QUALIFICATIONS

6. I am a professor in the Department of Electrical and Computer Engineering at McGill University. My curriculum vitae is provided as Appendix A.

7. I received my B.Sc. in Electrical Engineering from the University of British Columbia, my M.Sc. in Computer Science from the University of Toronto in 1992, and my Ph.D. in Electrical and Computer Engineering from the University of Toronto in 1996.

8. I am a member of the Centre for Intelligent Machines, and a founding member of the Centre for Interdisciplinary Research in Music Media and Technology at McGill University. I also direct the Shared Reality Lab at McGill, which focuses on computer mediation to facilitate high-fidelity human communication and the synthesis of perceptually engaging, multimodal, immersive environments. I led the development of the Intelligent Classroom, the world's first Internet streaming demonstrations of Dolby Digital 5.1, multiple simultaneous streams of uncompressed high-definition video, a high-fidelity orchestra rehearsal simulator, a simulation environment that renders graphic, audio, and vibrotactile effects in response to footsteps, and a mobile game treatment for amblyopia.

9. My work on the Ultra-Videoconferencing system was recognized by an award for Most Innovative Use of New Technology from ACM/IEEE

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