

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Michael J. Koss
U.S. Patent No.: 10,298,451 Attorney Docket No.: 50095-0020IP1
Issue Date: May 21, 2019
Appl. Serial No.: 16/057,360
Filing Date: August 7, 2018
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..... 6

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

 A. Brief Description..... 7

 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 Brown-Scherzer Combination..... 14

 1. Overview of Brown..... 14

 2. Overview Scherzer..... 22

 3. Combination of Brown and Scherzer..... 26

 B. The Brown- Scherzer-Baxter Combination..... 40

 1. Overview of Baxter..... 40

 2. Combination of Brown, Scherzer, and Baxter..... 42

 C. The Brown- Scherzer-Drader Combination..... 45

 1. Overview of Drader..... 45

 2. Combination of Brown, Scherzer, and Drader..... 47

 D. The Brown- Scherzer-Ramey Combination..... 48

 1. Ramey..... 48

 2. Combination of Brown, Scherzer, and Ramey..... 50

 E. The Brown- Scherzer-Gupta Combination..... 51

 1. Overview of Gupta..... 51

 2. Combination of Browne, Scherzer, and Gupta..... 52

VII. ANALYSIS OF THE PRIOR ART.....	52
A. Claims 1, 6, 11-13, And 15-20 Would Have Been Obvious Over Brown And Scherzer	52
1. Claim 1	52
2. Claims 6, 11-13, and 15-20	68
B. Claims 2, 7-10, and 21 Would Have Been Obvious Over Brown, Scherzer, and Baxter.....	81
1. Claims 2, 7-10, and 21	81
C. Claims 3-4 Would Have Been Obvious Over Brown, Scherzer, and Drader	87
1. Claims 3 and 4.....	87
D. Claim 5 Would Have Been Obvious Over Brown, Scherzer, and Ramey.....	87
1. Claim 5	87
E. Claim 14 Would Have Been Obvious Over Brown, Scherzer, and Gupta 88	
1. Claim 14	88
VIII. LEGAL PRINCIPLES.....	89
A. Perspective of One of Ordinary Skill in the Art.....	89
B. Anticipation.....	90
C. Obviousness	90
D. Claim Construction Standard	94
IX. ADDITIONAL REMARKS.....	96

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

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.