IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Michael J. Koss

U.S. Patent No.: 10,506,325 Attorney Docket No.: 50095-0022IP1

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Appl. Serial No.: 16/528,703 Filing Date: August 1, 2019

Title: SYSTEM WITH WIRELESS EARPHONES

DECLARATION OF DR. JEREMY COOPERSTOCK



1

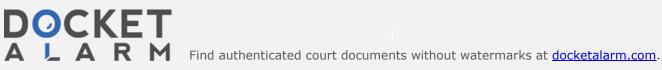
TABLE OF CONTENTS

I.	INT	TRODUCTION	1	
II.	QUALIFICATIONS			
III.				
IV.	SUN	MMARY OF MY OPINIONS	6	
V.	OVERVIEW OF THE '325 PATENT			
	A.	Brief Description	6	
	B.	Summary Of The Prosecution History	15	
	C.	Interpretations of Claim Terms	16	
	D.	Person of Ordinary Skill in the Art	17	
VI.	OVERVIEW OF PRIOR ART			
	A.	The Rosener-Huddart Combination	18	
		1. Rosener	18	
		2. Huddart		
		3. Combination of Rosener and Huddart		
	B.	The Rosener-Huddart-Haupt Combination		
		1. Haupt		
	C	2. Combination of Rosener, Huddart, and Haupt		
	C.	The Rosener-Huddart-Price Combination		
		1. Price		
	D	2. Combination of Rosener, Huddart, and Price		
	D.	The Rosener-Huddart-Paulson Combination		
		 Paulson Combination of Rosener, Huddart, and Paulson 		
	E.	The Rosener-Huddart-Vanderelli Combination		
	.	Vanderelli		
		2. Combination of Rosener, Huddart, and Vanderelli		



i

VII.	ANALYSIS OF THE PRIOR ART		
	A. Obvie	The Rosener-Huddart Combination Makes Claims 1, 2, and 16-18 ous	13
		1. Claim 1	
	B. Obvie	The Rosener-Huddart-Haupt Combination Makes Claims 3 and 4 ous	′3
		1. Claims 3 and 4	′3
	C. Obvie	The Rosener-Huddart-Price Combination Makes Claims 9, 10, and 10 cous	
		1. Claims 9, 10, and 14	7
	D.	The Rosener-Huddart-Paulson Combination Makes Claim 15 Obviou 82	IS
		1. Claim 15	32
	E. 17 Ol	The Rosener-Huddart-Vanderelli Combination Makes Claims 16 and ovious	
		1. Claims 16 and 17	34
VIII.	LEG	AL PRINCIPLES	6
	A.	Perspective of One of Ordinary Skill in the Art	6
	B.	Anticipation	6
	C.	Obviousness	37
ADD	ITION	NAL REMARKS	39



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 1-4, 9, 10, 14-18 of U.S. Patent No. 10,506,325 ("the '325 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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