IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:	Ezra Eddie Bakhash	
U.S. Patent No.:	9,696,868	Attorney Docket No.: 50095-0110IP1
Issue Date:	July 4, 2017	
Appl. Serial No.:	14/614,708	
Filing Date:	February 5, 2015	
Title:	SYSTEM AND METHOD FOR PROVIDING THREE-DIMENSIONAL GRAPHICAL USER INTERFACE	

DECLARATION OF DR. HENRY FUCHS

I declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable under Section 1001 of Title 18 of the United States Code.

By: _____

Henry Fuchs, Ph.D.

Date: 2022.12.13

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I. INTRODUCTION

1. I have been retained as a technical expert by counsel on behalf of Apple Inc. ("Apple"/"Petitioner"). I understand that Apple is requesting that the Patent Trial and Appeal Board institute an *inter partes* review ("IPR") proceeding with respect to U.S. Patent No. 9,696,868 ("the '868 Patent") (APPLE1001).

2. I have been asked to provide my independent analysis of the '868 Patent in light of certain prior art publications, and I have done so based on my personal knowledge and experience.

3. I am not, and never have been, an employee of Apple. I received no compensation for this Declaration beyond my normal hourly compensation based on my time actually spent analyzing the '868 Patent, the prior art publications cited below, and various issues related thereto. I have no financial interest in the outcome of this proceeding, and will not receive any added compensation based on the outcome of any IPR or other proceeding involving the '868 Patent.

II. QUALIFICATIONS

4. In formulating my opinions, I have relied on my knowledge, training, and experience in the relevant field. My education and experience are described more fully in the attached curriculum vitae (Appendix A). For ease of reference, I have highlighted certain information below.

5. I am the Federico Gil Distinguished Professor of Computer Science and an Adjunct Professor of Biomedical Engineering at the University of North Carolina at Chapel Hill. I head the UNC Graphics and Virtual Reality research group, supervising research scientists, engineers, PhD, MS, and undergraduate students. Students I have advised have gone on to senior faculty positions at leading universities such as MIT, Stanford, and Georgia Tech, and leading research labs such as Google, Intel, Meta (fka Facebook), and Microsoft, as well as to smaller companies and startups around the world.

6. I received a Bachelor of Arts degree in Information and Computer Science from the University of California at Santa Cruz in 1970, and a Ph.D. from the University of Utah in 1975.

7. I have over 50 years of experience working in the field of computer graphics. I have worked in the Imaging Lab of Caltech's NASA Jet Propulsion Laboratory, and have consulted for numerous organizations, including General Electric, the RAND Corporation, Mitsubishi Electric Research Laboratory, and Xerox Palo Alto Research Center. I have held visiting professorships at ETH Zurich and at TU Wien (the Vienna University of Technology).

8. My research in computer graphics has been supported by, among others, Cisco, DARPA, Google, Intel, Meta (fka Facebook), Microsoft, ONR, NIH, NSF, NVIDIA, U.S. Air Force, and Xerox. I have published over 250 papers, including

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