## UNITED STATES PATENT AND TRADEMARK OFFICE

## **BEFORE THE PATENT TRIAL AND APPEAL BOARD**

LG ELECTRONICS INC. Petitioner

v.

IMMERVISION, INC. Patent Owner

> IPR2020-00179 IPR2020-00195

Patent No. 6,844,990

## **DECLARATION OF DAVID AIKENS**

IMMERVISION Ex. 2009 LG v. ImmerVision IPR2020-00179

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#### I. INTRODUCTION

I, David Aikens, declare as follows:

1. I have been retained by Patent Owner ImmerVision, Inc.

("ImmerVision") for the above-captioned *inter partes* reviews to provide expert opinion and testimony. I understand that these proceedings involve U.S. Patent No. 6,844,990 ("the '990 Patent") titled "Method for Capturing and Displaying a Variable Resolution Digital Panoramic Image." I understand that the '990 Patent is currently assigned to ImmerVision.

2. I was retained in this matter by ImmerVision through IMS Expert Services and ImmerVision's counsel, Panitch Schwarze, as an expert witness in the field of optics and lens design. IMS Expert Services charges a rate of \$600 per hour for my services in connection with these proceedings, of which I receive a fixed percentage. My compensation in these matters is in no way dependent upon or contingent upon the opinions and testimony that I render during these proceedings, nor on the ultimate outcomes of these proceedings.

3. In preparing this declaration, I have reviewed and am familiar with all of the references cited herein, and in the Petition. I have also reviewed and am familiar with the '990 Patent.

4. In this declaration, I set forth the independent opinions that I have reached and the basis for those opinions using the information currently available

to me. Such opinions are based on my education, career, and relevant experience in optics and lens design unless otherwise noted. A list of documents I have reviewed and, in some cases, relied upon in forming my opinions are presented below. I reserve the right to supplement or revise my opinions should additional documents or other information be provided to me.

#### **II. QUALIFICATIONS**

5. My curriculum vitae ("CV"), a copy of which is provided attached hereto, provides details on my education, experience, publications, and other qualifications.

I received a Bachelor of Science degree in Optical Engineering in
 1983, and a Master of Science degree in Optical Engineering in 1984, both from
 the University of Rochester.

7. From 1983 to 1987, I worked as an Optical Engineer for the Hughes Aircraft Company in El Segundo, California. From 1987 to 1989, I worked as an Optical Engineer for the Lawrence Livermore National Laboratory in Livermore, California. I then worked as the President and Founder of the Dema Bekz Corporation in Portland, Oregon from 1989 to 1991, as a freelance optical designer and engineer. From 1991 to 1994, I worked as a Senior Optical Engineer at KLA Instruments in San Jose, California. I then returned to the Lawrence Livermore National Laboratory as an NIF Optical Engineering Manager from 1994 to 2000.

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