

# Exhibit “M”

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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LG ELECTRONICS, INC.  
Petitioner

v.

CELLULAR COMMUNICATIONS EQUIPMENT LLC  
Patent Owner

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*INTER PARTES* REVIEW OF U.S. PATENT NO. 8,385,966  
Case IPR No.: *To Be Assigned*

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DECLARATION OF DR. ROBERT AKL, D.Sc.

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Declaration of Dr. Robert Akl, D.Sc.

U.S. Patent No. 8,385,966

## I. INTRODUCTION

1. My name is Robert Akl, and I have been retained by counsel for LG Electronics, Inc. as an expert witness in the above-captioned proceeding.

2. My opinions are based on my years of education, research and experience, as well as my investigation and study of relevant materials. The materials that I studied for this declaration include all exhibits of the petition.

3. I may rely upon these materials, my knowledge and experience, and/or additional materials to rebut arguments raised by the patent owner. Further, I may also consider additional documents and information in forming any necessary opinions, including documents that may not yet have been provided to me.

4. My analysis of the materials produced in this investigation is ongoing and I will continue to review any new material as it is provided. This declaration represents only those opinions I have formed to date. I reserve the right to revise, supplement, and/or amend my opinions stated herein based on new information and on my continuing analysis of the materials already provided.

5. I am being compensated on a per hour basis for my time spent working on issues in this case. My compensation does not depend upon the outcome of this matter or the opinions I express.

## II. QUALIFICATIONS

6. I have summarized in this section my educational background, work experience, and other relevant qualifications. A true and accurate copy of my curriculum vitae is attached as Appendix A to my declaration.

7. I earned my Bachelor of Science degrees in Electrical Engineering and Computer Science summa cum laude with a grade point average of 4.0/4.0 and a ranking of first in my undergraduate class from Washington University in Saint Louis in 1994. In 1996, I earned my Master of Science degree in Electrical Engineering from Washington University in Saint Louis with a grade point average of 4.0/4.0. I earned my Doctorate of Science in Electrical Engineering from Washington University in Saint Louis in 2000, again with a grade point average of 4.0/4.0, with my dissertation on “Cell Design to Maximize Capacity in Cellular Code Division Multiple Access (CDMA) Networks.”

8. While a graduate student, from 1996 through 2000, I worked at MinMax Corporation in St. Louis, where I designed software packages that provided tools to flexibly allocate capacity in a CDMA communications network

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