UNITED STATES PATENT AND TRADEMARK OFFICE
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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE INC.
Petitioner,

v.

MAXELL, LTD.,
Patent Owner
_____

Case: IPR2020-00202

U.S. Patent No. 10,212,586
_____

DECLARATION OF DR. BRANIMIR VOJIC, DSC

738473418.4

TABLE OF CONTENTS

Apple v. Maxell

Apple v. Maxell

I, Branimir Vojcic, DSc, hereby declare the following:

I.   INTRODUCTION

1.   My name is Branimir Vojcic. I have been asked by the Patent Owner in this proceeding (Maxell, Ltd.) provide my opinion as to the validity of U.S. Patent No. 10,212,586 ("the '586 Patent") and to respond to Apple's Petition for *Inter Partes* Review of the '586 Patent ("Petition" or "Pet."), the Declaration of Dr. Victor Shoup ("Shoup Decl.") Regarding Invalidity of the '586 Patent, and the Decision Granting Institution of *Inter Partes* Review ("Institution Decision") of the '586 Patent, and to provide my opinion as to the validity of the '586 Patent.

2.   Although I am being compensated at my usual consulting rate of $650 per hour for my time reviewing materials and preparing this declaration, my opinions expressed here are my own. My compensation is in no way dependent on the outcome of this proceeding or upon the Patent Trial and Appeal Board (PTAB) accepting my opinions. I have no other financial interest in this matter or the parties thereto.

3.   Depending on new information learned or positions taken throughout the proceeding by Apple or its experts, I may edit, add to, or otherwise refine the topics and opinions given here. I reserve the right to supplement my opinions based on new information.

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Apple v. Maxell

II.   BACKGROUND AND QUALIFICATIONS

4.   My qualifications to testify about the '586 Patent and the relevant technology are set forth in my curriculum vitae ("CV"), which I have attached here as Exhibit A. My CV includes a list of all my publications within at least the past ten years. The matters in which I have testified (either at trial or by deposition) in the past four years is also attached as Exhibit A.

5.   I will briefly summarize my qualifications to render opinions regarding this technology in the following paragraphs.

6.   I am an expert in wireless technology and other areas of telecommunications, signal processing and electrical engineering. I am presently a Professor Emeritus of Engineering and Applied Science at The George Washington University. I retired from the university in May 2015, where I was a member of the faculty since September 1, 1991. In addition, I have served as a consultant for a number of companies in the wireless communications industry in various technology areas. I have also served on numerous committees and as a reviewer and editor for several journals, conferences, and organizations.

7.   I am presently President of Xplore Wireless, LLC, a small telecommunication consulting company. I am also a co-founder, Director, CEO and CTO of LN2, a startup in the telecommunication space.

8.   I received my Diploma of Engineering, Master of Science, and

Apple v. Maxell

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