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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

WINTEK CORPORATION Petitioner

v.

TPK TOUCH SOLUTIONS INC. Patent Owner

Patent 8,217,902

DECLARATION OF DR. VIVEK SUBRAMANIAN



Declaration of Dr. Vivek Subramanian Regarding Petition for IPR of U.S. Patent No. 8,217,902

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Declaration of Dr. Vivek Subramanian Regarding Petition for IPR of U.S. Patent No. 8,217,902

I, Vivek Subramanian, declare as follows:

I. Introduction

- 1. I have been retained by Wintek Corporation ("Petitioner") as an independent expert consultant in this proceeding before the United States Patent and Trademark Office. Although I am being compensated at my rate of \$550 per hour for the time I spend on this matter, no part of my compensation is dependent on the outcome of this proceeding, and I have no other interest in this proceeding.
- 2. I understand that this proceeding involves U.S. Patent No. 8,217,902 ("the '902 patent") (Ex. 1001)¹, the application for which was filed on August 21, 2007, as U.S. Patent Application No. 11/842,747, and issued on July 10, 2012. I also understand that the '902 patent is based on Taiwanese Patent Application No. 96115152, which was filed on April 27, 2007. I further understand that the '902 patent is assigned on its face to TPK Touch Solutions Inc. ("Patent Owner").
- 3. I have been asked to consider whether certain references disclose or suggest the features recited in claims 20, 23, 28, and 30 of the '902 patent. My opinions are set forth below.



¹ Where appropriate, I refer to exhibits attached to the petition for *Inter Partes*Review of the '902 patent.'

II. Qualifications

- 4. My curriculum vitae, which includes a detailed summary of my background and experience and a list of my publications and patents is attached as Exhibit 1014. In addition to the information provided in Exhibit 1014, I have also provided declarations regarding the '902 patent in IPR2013-00567 and IPR2013-00568.
- 5. I am a Professor in the Department of Electrical Engineering & Computer Sciences at the University of California, Berkeley, located at Berkeley, California.
- 6. I was awarded a B.S. degree from Louisiana State University in 1994, a M.S. degree from Stanford University in 1996, and a Ph.D. degree from Stanford University in 1998, all in electrical engineering.
- 7. Since 2000, I have held various research and teaching positions in the Department of Electrical Engineering and Computer Sciences at the University of California, Berkeley. I have published more than 200 technical papers in journals and technical conferences and I am an inventor of more than 30 patents covering various technologies, including semiconductor devices, materials, circuit design, process technology, and memory architecture.
- 8. I also have significant experience in the industry. For example, in 1998, I co-founded Matrix Semiconductor, Inc., a Silicon Valley startup that made



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