

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,
SAMSUNG ELECTRONICS AMERICA, INC., and APPLE INC.,
Petitioner,

v.

SMART MOBILE TECHNOLOGIES LLC,
Patent Owner.

Case IPR2022-01248
Patent 8,842,653

EXHIBIT 2019

SECOND DECLARATION OF PROFESSOR TODOR V. COOKLEV, PH.D.

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I. INTRODUCTION

1. My name is Todor V. Cooklev. I have been retained as an expert witness to provide my independent opinion in regard to the matters at issue in *inter partes* review of U.S. Patent No. 8,842,653 (“the ’653 patent”) in IPR2022-01248. I have been retained by Smart Mobile Technologies LLC (“Smart Mobile”), the Patent Owner in the above proceedings. Petitioners are Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Apple Inc. (collectively “Petitioner”).

2. I am being compensated \$400 per hour for my time spent working in connection with this case. My compensation is in no way related to the outcome of this litigation. If called as a witness, I would testify as to the statements and opinions contained in this report.

3. I am not a legal expert and offer no opinions on the law. However, I have been informed by counsel of the various legal standards that apply, and I have applied those standards in arriving at my conclusions.

II. QUALIFICATIONS

4. I am currently Professor of Electrical and Computer Engineering at Purdue University in Fort Wayne, Indiana. at the same institution. Since 2008, I have served in several faculty and administrative positions, including as the Director of the Wireless Technology Center, ITT Associate Professor of Wireless

Communication and Applied Research, and later as Harris Professor of Wireless Communication and Applied Research.

5. I graduated from the Technical University of Sofia, Bulgaria in 1988 with a Diploma of Engineering in the field of Electrical Engineering. I graduated from Tokyo Institute of Technology in Tokyo, Japan in 1995 with a Doctor of Philosophy (Ph.D.) degree in Electrical Engineering.

6. In 1997-1999, I was an engineer at 3Com Corp. where I worked on software and firmware development. At that time, 3Com was a leading computer networking and data communication company. Palm Computing, which had developed the PalmPilot, widely recognized as the first personal digital assistant (PDA), was a division of 3Com. Additionally, I participated in the Bluetooth Special Interest Group (SIG) on behalf of 3Com.

7. In 2007-2008 I served as Principal Investigator of a National Science Foundation grant awarded to the IEEE. This grant supported a number of undergraduate and graduate students to work on hardware and software projects incorporating the IEEE standards. A significant number of software applications and hardware devices, connected to other devices and/or the Internet using wireless local or personal area networking standards were developed as a result of this funding.

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