

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,

SAMSUNG ELECTRONICS CO., LTD.,

and

SAMSUNG ELECTRONICS AMERICA, INC.,

Petitioners,

v.

FIRSTFACE CO., LTD.,

Patent Owner.

Case IPR2019-00612

U.S. Patent No. 8,831,557

**DECLARATION OF VICTOR CHEUNG IN SUPPORT OF THE
PETITION FOR *INTER PARTES* REVIEW OF UNITED
STATES PATENT NO. 8,831,557**

I, Victor Cheung, make the following Declaration pursuant to 28 U.S.C.

§ 1746:

Apple and Samsung Ex. 1136

Apple Inc., Samsung Electronics Co., Ltd. and

1. I am an associate at the law firm of Ropes & Gray LLP.

2. I provide this Declaration in connection with the above-identified *Inter Partes* Review proceeding that is being requested at the United States Patent and Trademark Office (“USPTO”) by Apple Inc. Unless otherwise stated, the facts stated in this Declaration are based on my personal knowledge.

3. **Exhibit 1107** hereto is a true and correct copy of iPhone User Guide For iPhone OS 3.1 Software User Guide from support.apple.com. This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

4. **Exhibit 1108** hereto is a true and correct copy of Anand L. Shimpi, *Apple’s iPhone: The Future is Here*, AnandTech (July 2, 2007), <http://www.anandtech.com:80/show/2265/4> (retrieved from <https://web.archive.org/web/20110225040334/http://www.anandtech.com:80/show/2265/4>). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

5. **Exhibit 1121** hereto is a true and correct copy of Peter H. Lewis, *THE EXECUTIVE COMPUTER; Compaq Finally Makes a Laptop*, The New York Times (October 23, 1988) (<https://www.nytimes.com/1988/10/23/business/the->

[executive-computer-compaq-finally-makes-a-laptop.html](#)). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

6. **Exhibit 1122** hereto is a true and correct copy of J. Flinn & M. Satyanarayanan, *Energy-aware adaptation for mobile applications*, 33 SIGOPS Oper. Syst. Rev. 48-63 (December 12, 1999) (DOI=<http://dx.doi.org/10.1145/319344.319155>). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

7. **Exhibit 1123** hereto is a true and correct copy of A. Roy, S. M. Rumble, R. Stutsman, P. Levis, D. Mazières, & N. Zeldovich, *Energy Management in Mobile Devices with the Cinder Operating System*, Proceedings of the sixth conference on Computer systems (EuroSys '11), Pages 139-52 (April 10, 2011) (DOI=<http://dx.doi.org/10.1145/1966445.1966459>). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

8. **Exhibit 1124** hereto is a true and correct copy of *Your Palm Treo 680 Smart Device User Guide* (2006) (https://www.att.com/support_static_files/manuals/Palm_Treo_680.pdf). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

9. **Exhibit 1125** hereto is a true and correct copy of D. Muthukumaran, A. Sawani, J. Schiffman, B. M. Jung, & T. Jaeger, *Measuring Integrity on Mobile Phone Systems*, Proceedings of the 13th ACM symposium on Access control models and technologies (SACMAT '08), Pages 155-64 (June 11, 2008) (DOI=<http://dx.doi.org/10.1145/1377836.1377862>). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

10. **Exhibit 1126** hereto is a true and correct copy of M. Landman, *Managing Smart Phone Security Risks*, 2010 Information Security Curriculum Development Conference (InfoSecCD '10), Pages 145-55 (October 1, 2010) (DOI=<http://dx.doi.org/10.1145/1940941.1940971>). This document has been marked with an exhibit label and page numbers on each page at the bottom right

corner. However, no alterations, other than these noted markings, have been made to this document.

11. **Exhibit 1129** hereto is a true and correct copy of *iOS: A visual History*, The Verge (September 16, 2013) (<https://www.theverge.com/2011/12/13/2612736/ios-history-iphone-ipad>). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

12. **Exhibit 1130** hereto is a true and correct copy of *iPhone Q&A: Differences Between the Original iPhone & iPhone 3G*, EveryiPhone.com (November 18, 2011) (<https://everymac.com/systems/apple/iphone/iphone-faq/differences-between-the-original-iphone-and-iphone-3g.html>). This document has been marked with an exhibit label and page numbers on each page at the bottom right corner. However, no alterations, other than these noted markings, have been made to this document.

13. **Exhibit 1133** hereto is a true and correct copy of P. Tarr, W. Harrison, H. Ossher, A. Finkelstein, B. Nuseibeh, & D. Perry, *Workshop on Multi-Dimensional Separation of Concerns in Software Engineering*, Proceedings of the 2000 International Conference on Software Engineering: ICSE 2000 the New Millennium, Pages 809-810 (2000) (DOI=<https://doi.org/10.1145/337180.337827>).

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