

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

---

**PETITIONERS' UPDATED EXHIBIT LIST**

## LIST OF EXHIBITS

Exhibit	Description
1101	U.S. Patent No. 8,831,557 to Jung et al.
1102	Prosecution History File of Application No. 13/590,483, which matured into U.S. Patent No. 8,831,557
1103	Declaration of Benjamin B. Bederson
1104	Declaration of Michael Hulse
1105	U.S. Patent Application Publication No. 2009/0083850 to Fadell et al.
1106	WIPO International Application Publication No. WO 2010/126504 to Gagneraud et al.
1107	Apple iPhone OS 3.1 User Guide (September 2009)
1108	Anand L. Shimpi, <i>Apple's iPhone: The Future is Here</i> , AnandTech (July 2, 2007), <a href="http://www.anandtech.com:80/show/2265/4">http://www.anandtech.com:80/show/2265/4</a> (retrieved from <a href="https://web.archive.org/web/20110225040334/http://www.anandtech.com:80/show/2265/4">https://web.archive.org/web/20110225040334/http://www.anandtech.com:80/show/2265/4</a> )
1109	U.S. Patent No. 8,667,297 to Salter et al.
1110	WIPO International Application Publication No. WO 2007/140806 to Nurmi et al.
1111	[intentionally left blank]
1112	[intentionally left blank]
1113	U.S. Patent Application Publication No. 2010/0017872 to Goertz et al.
1114	German Patent Application Publication No. DE 197 10 546 A1 to Herfet (certified English translation + German language publication)
1115	[intentionally left blank]
1116	[intentionally left blank]
1117	U.S. Patent No. 8,965,449 to Rivera et al.
1118	[intentionally left blank]
1119	[intentionally left blank]

Exhibit	Description
1120	[intentionally left blank]
1121	Peter H. Lewis, <i>THE EXECUTIVE COMPUTER; Compaq Finally Makes a Laptop</i> , The New York Times (October 23, 1988) ( <a href="https://www.nytimes.com/1988/10/23/business/the-executive-computer-compaq-finally-makes-a-laptop.html">https://www.nytimes.com/1988/10/23/business/the-executive-computer-compaq-finally-makes-a-laptop.html</a> )
1122	J. Flinn & M. Satyanarayanan, <i>Energy-aware adaptation for mobile applications</i> , 33 SIGOPS Oper. Syst. Rev. 48-63 (December 12, 1999) (DOI= <a href="http://dx.doi.org/10.1145/319344.319155">http://dx.doi.org/10.1145/319344.319155</a> )
1123	A. Roy, S. M. Rumble, R. Stutsman, P. Levis, D. Mazières, & N. Zeldovich, <i>Energy Management in Mobile Devices with the Cinder Operating System</i> , Proceedings of the sixth conference on Computer systems (EuroSys '11), Pages 139-52 (April 10, 2011) (DOI= <a href="http://dx.doi.org/10.1145/1966445.1966459">http://dx.doi.org/10.1145/1966445.1966459</a> )
1124	<i>Your Palm Treo 680 Smart Device User Guide</i> (2006) ( <a href="https://www.att.com/support_static_files/manuals/Palm_Treo_680.pdf">https://www.att.com/support_static_files/manuals/Palm_Treo_680.pdf</a> )
1125	D. Muthukumar, A. Sawani, J. Schiffman, B. M. Jung, & T. Jaeger, <i>Measuring Integrity on Mobile Phone Systems</i> , Proceedings of the 13th ACM symposium on Access control models and technologies (SACMAT '08), Pages 155-64 (June 11, 2008) (DOI= <a href="http://dx.doi.org/10.1145/1377836.1377862">http://dx.doi.org/10.1145/1377836.1377862</a> )
1126	M. Landman, <i>Managing Smart Phone Security Risks</i> , 2010 Information Security Curriculum Development Conference (InfoSecCD '10), Pages 145-55 (October 1, 2010) (DOI= <a href="http://dx.doi.org/10.1145/1940941.1940971">http://dx.doi.org/10.1145/1940941.1940971</a> )
1127	[intentionally left blank]
1128	File Wrapper of U.S. Provisional Patent Application No. 60/995,200 to Sanford et al.
1129	<i>iOS: A visual History</i> , The Verge (September 16, 2013) ( <a href="https://www.theverge.com/2011/12/13/2612736/ios-history-iphone-ipad">https://www.theverge.com/2011/12/13/2612736/ios-history-iphone-ipad</a> )
1130	<i>iPhone Q&amp;A: Differences Between the Original iPhone &amp; iPhone 3G</i> , EveryiPhone.com (November 18, 2011)

Exhibit	Description
	( <a href="https://everymac.com/systems/apple/iphone/iphone-faq/differences-between-the-original-iphone-and-iphone-3g.html">https://everymac.com/systems/apple/iphone/iphone-faq/differences-between-the-original-iphone-and-iphone-3g.html</a> )
1131	Declaration of Yosh Moriarty
1132	iPhone 3G Finger Tips (2009)
1133	P. Tarr, W. Harrison, H. Ossher, A. Finkelstein, B. Nuseibeh, & D. Perry, <i>Workshop on Multi-Dimensional Separation of Concerns in Software Engineering</i> , Proceedings of the 2000 International Conference on Software Engineering: ICSE 2000 the New Millennium, Pages 809-810 (2000) (DOI= <a href="https://doi.org/10.1145/337180.337827">https://doi.org/10.1145/337180.337827</a> )
1134	Joint Claim Construction and Prehearing Statement, Docket No. 59, <i>Firstface Co., Ltd. v. Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc.</i> , Case No. 3:18-cv-02243 (N.D. Cal.)
1135	Joint Claim Construction and Prehearing Statement, Docket No. 57, <i>Firstface Co., Ltd. v. Apple Inc.</i> , Case No. 3:18-cv-02245 (N.D. Cal.)
1136	Declaration of Victor Cheung
1137	[intentionally left blank]
1138	[intentionally left blank]
1139	Rebuttal Declaration of Benjamin B. Bederson
1140	Bryan D. Payne, W. Keith Edwards, <i>A Brief Introduction to Usable Security</i> , IEEE Internet Computing, Vol. 12 Issue 3, Pages 13-21 (May-June 2008)
1141	Fujitsu, Fingerprint Sensor Fact Sheet, MBF200 Solid-State Fingerprint Sensor ( <a href="https://web.archive.org/web/20070315183546/https://www.fujitsu.com/downloads/MICRO/fme/sensors/Fingerprint_fs_MBF200_Feb_04.pdf">https://web.archive.org/web/20070315183546/https://www.fujitsu.com/downloads/MICRO/fme/sensors/Fingerprint_fs_MBF200_Feb_04.pdf</a> )
1142	U.S. Patent Application Publication No. 2013/0057385 to Murakami et al.
1143	Declaration of Christopher M. Bonny
1144	Petitioners' Demonstrative Slides for Oral Hearing on May 5, 2020

Dated: May 1, 2020

Respectfully submitted,

By: */Gabrielle E. Higgins/*

Gabrielle E. Higgins

Reg. No. 38,916

Christopher M. Bonny

Reg. No. 63,307

**ROPES & GRAY LLP**

1900 University Avenue, 6<sup>th</sup> Floor

East Palo Alto, CA 94303-2284

Phone: +1-650-617-4015

Fax: +1-617-235-9492

[gabrielle.higgins@ropesgray.com](mailto:gabrielle.higgins@ropesgray.com)

[christopher.bonny@ropesgray.com](mailto:christopher.bonny@ropesgray.com)

*Attorneys for Petitioners*

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.