

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE, INC., BLACKBERRY CORP.,¹
LG ELECTRONICS INC., SAMSUNG ELECTRONICS CO., LTD., and
SAMSUNG ELECTRONICS AMERICA, INC.,
Petitioner

v.

UNILOC 2017 LLC,
Patent Owner

Case IPR2019-00222
Patent 7,167,487

PETITIONER'S UPDATED EXHIBIT LIST

¹ BlackBerry Corp., who filed a petition in IPR2019-01282, has been joined as a petitioner to this proceeding.

EXHIBITS

- EX-1001 U.S. Patent No. 7,167,487 (“the ’487 Patent”)
- EX-1002 Declaration of R. Michael Buehrer, Ph.D., FIEEE (“Buehrer”)
- EX-1003 Curriculum Vitae of R. Michael Buehrer, Ph.D., FIEEE
- EX-1004 Prosecution History of U.S. Patent No. 7,167,487 (“the Prosecution History”)
- EX-1005 RESERVED
- EX-1006 Declaration of Craig Bishop (“Bishop”)
- EX-1007 3GPP TS 25.321 V3.6.0 (2000-12) Technical Specification, “3rd Generation Partnership Project; Technical Specification Group Radio Access Network; MAC protocol specification (Release 1999)” (“TS25.321”)
- EX-1008 Mitsubishi Electric Telecom (Trium R&D), R2-010182
“Corrections to logical channel priorities in MAC protocol,”
Change Request for 3GPP TS 25.321 V3.6.0, 3GPP TSG-WG2
Meeting #18, Edinburgh, Scotland, 17th-19th January 2001
 (“R2-010182”)
- EX-1009 3GPP TS 25.302 V3.6.0 (2000-09) Technical Specification, “3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Services provided by the physical layer (Release 1999)” (“TS25.302”)
- EX-1010 3GPP Portal, Specification #: 25.321, Versions,
<https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=1175>
- EX-1011 RESERVED
- EX-1012 RESERVED

- EX-1013 United States Patent No. 6,850,540 B1 to Peisa et al. (“Peisa”)
- EX-1014 RESERVED
- EX-1015 Holma and Toskala, “WCDMA for UMTS”, Wiley, 2000 (excerpts) (“Holma”)
- EX-1016 F. Muratore, “UMTS: Mobile Communications for the Future”, Wiley, 2001 (“Muratore”)
- EX-1017 K. Washburn and J. Evans, “TCP/IP: Running a successful network”, Addison-Wesley, 1996 (excerpts) (“Washburn”)
- EX-1018 Supplemental Declaration of Craig Bishop (“BishopII”)
- EX-1019 Supplemental Declaration of R. Michael Buehrer, Ph.D., FIEEE (“BuehrerII”)
- EX-1020 3GPP TS 23.107 V3.5.0 (2000-12) Technical Specification, “3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; QoS Concept and Architecture (Release 1999)” (TS23.107)
- EX-1021 3GPP TS 23.107 V3.4.0 (2000-10) Technical Specification, “3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; QoS Concept and Architecture (Release 1999)”
- EX-1022 Petitioner’s Demonstratives

Respectfully submitted,

Date: February 27, 2020

/Roberto J. Devoto/

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CERTIFICATE OF SERVICE

Pursuant to 37 CFR §§ 42.6(e)(4) and 42.205(b), the undersigned certifies that on February 27, 2020, a complete and entire copy of this Petitioner’s Updated Exhibit List and Exhibit 1022 were provided via email to the Patent Owner by serving the correspondence email address of record as follows:

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