

UNITED STATES PATENT AND TRADEMARK OFFICE

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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SAMSUNG ELECTRONICS CO., LTD.;  
SAMSUNG ELECTRONICS AMERICA, INC.,  
Petitioner

v.

MULLEN INDUSTRIES LLC,  
Patent Owner.

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Case No. IPR2024-01472  
U.S. Patent No. 11,190,633

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**PETITIONER'S UPDATED LIST OF EXHIBITS**

## **LIST OF EXHIBITS<sup>1</sup>**

| <b>Ex. No.</b> | <b>Description</b>                                                                  |
|----------------|-------------------------------------------------------------------------------------|
| Ex-1001        | U.S. Patent No. 11,190,633 (“the ’633 Patent”)                                      |
| Ex-1002        | Declaration of Dr. Brian W. Anthony                                                 |
| Ex-1003        | Curriculum Vitae of Dr. Brian W. Anthony                                            |
| Ex-1004        | Prosecution History of U.S. Patent No. 11,190,633                                   |
| Ex-1005        | U.S. Patent No. 6,477,117 to Narayanaswami (“Narayanaswami”)                        |
| Ex-1006        | U.S. Patent Publication No. 2002/0115478 to Fujisawa (“Fujisawa”)                   |
| Ex-1007        | U.S. Patent Publication No. 2001/0043514 to Kita (“Kita’514”)                       |
| Ex-1008        | Certified translation of JP Patent Publication No. 2002/125039 to Kita (“Kita’039”) |
| Ex-1009        | JP Patent Publication No. 2002/125039 to Kita                                       |
| Ex-1010        | U.S. Patent Publication No. 2002/0137552 to Cannon (“Cannon”)                       |
| Ex-1011        | Nokia 8890 User Guide (2000) (“Nokia”)                                              |
| Ex-1012        | Wayback Page for Accessing Nokia 8890 User Guide                                    |
| Ex-1013        | INTENTIONALLY LEFT BLANK                                                            |
| Ex-1014        | INTENTIONALLY LEFT BLANK                                                            |
| Ex-1015        | INTENTIONALLY LEFT BLANK                                                            |
| Ex-1016        | INTENTIONALLY LEFT BLANK                                                            |
| Ex-1017        | INTENTIONALLY LEFT BLANK                                                            |

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<sup>1</sup> Four-digit pin citations that begin with 0 are to the branded numbers added by Samsung in the bottom right corner of the exhibits. All other pin citations are to original page, column, paragraph, or line numbers.

| Ex. No. | Description                                                                                                                                                                                                        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex-1018 | INTENTIONALLY LEFT BLANK                                                                                                                                                                                           |
| Ex-1019 | INTENTIONALLY LEFT BLANK                                                                                                                                                                                           |
| Ex-1020 | Claim Mapping Table                                                                                                                                                                                                |
| Ex-1021 | Petition for <i>Inter Partes</i> Review, Paper 1, <i>Apple Inc. v. Mullen Industries LLC</i> , No. IPR2022-01389 (PTAB Aug. 9, 2022) (“Apple Petition”)                                                            |
| Ex-1022 | Decision Granting Institution of <i>Inter Partes</i> Review, Paper 9, <i>Apple Inc. v. Mullen Industries LLC</i> , No. IPR2022-01389 (PTAB Mar. 2, 2023) (“Apple DI”)                                              |
| Ex-1023 | Patent Owner Response, Paper 13, <i>Apple Inc. v. Mullen Industries LLC</i> , No. IPR2022-01389 (PTAB June 6, 2023) (“Apple POR”)                                                                                  |
| Ex-1024 | Chandra Narayanaswami et al., <i>IBM’s Linux Watch: The Challenge of Miniaturization</i> , 35 IEEE 33 (2002)                                                                                                       |
| Ex-1025 | IBM, Linux Watch, <i>Linux on a Wrist Watch 1999-2001</i>                                                                                                                                                          |
| Ex-1026 | <i>Casio Watch 50th Anniversary</i> , Casio, available at: <a href="https://www.casio.com/us/watches/50th/Heritage/1990s/">https://www.casio.com/us/watches/50th/Heritage/1990s/</a> (last accessed Aug. 13, 2024) |
| Ex-1027 | Chandra Narayanaswami et al., <i>Designing a New Form Factor for Wearable Computing</i> , 1 IEEE 42 (2002)                                                                                                         |
| Ex-1028 | Chandra Narayanaswami et al., <i>What Would You Do with a Hundred MIPS on Your Wrist?</i> , IBM Research Report (2001)                                                                                             |
| Ex-1029 | Chandra Narayanaswami et al., <i>Application design for a smart watch with a high resolution display</i> , IEEE 7 (2000)                                                                                           |
| Ex-1030 | M.T. Raghunath & Chandra Narayanaswami, <i>User Interfaces for Applications on a Wrist Watch</i> , Personal & Ubiquitous Computing 17 (2002)                                                                       |

| Ex. No. | Description                                                                                                                                                                                               |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex-1031 | Noboru Kamijoh et al., <i>Linux Watch: Hardware Platform for Wearable Computing Research</i> , PCM 1 (2001)                                                                                               |
| Ex-1032 | U.S. Patent No. 5,612,931 to Sato                                                                                                                                                                         |
| Ex-1033 | Dario Bonino et al., <i>dWatch: A Personal Wrist Watch for Smart Environments</i> , 10 Procedia Computer Science 300 (2012)                                                                               |
| Ex-1034 | Daniel Siewiorek et al., <i>SenSay: A Context-Aware Mobile Phone</i> , 3 ISWC 248 (2003)                                                                                                                  |
| Ex-1035 | Asim Smailagic et al., <i>Metronaut: A Wearable Computer with Sensing and Global Communication Capabilities</i> , 1 Personal Technologies 260 (1997)                                                      |
| Ex-1036 | S. Agarwal et al., <i>On the Scalability of Data Synchronization Protocols for PDAs and Mobile Devices</i> , 16 IEEE 22 (2002)                                                                            |
| Ex-1037 | Anind K. Dey & Gregory D. Abowd, <i>CybreMinder: A Context-Aware System for Supporting Reminders</i> in Proceedings of the 2nd International Symposium on Handheld and Ubiquitous Computing, 172 (2000)   |
| Ex-1038 | Hans-W. Gellersen et al., <i>Multi-Sensor Context-Awareness in Mobile Devices and Smart Artifacts</i> , 7 Mobile Networks and Applications 341 (2002)                                                     |
| Ex-1039 | Nitin Sawhney & Chris Schmandt, <i>Nomadic Radio: Speech and Audio Interaction for Contextual Messaging in Nomadic Environments</i> , 7 ACM Transactions on Computer-Human Interaction (TOCHI) 353 (2000) |
| Ex-1040 | U.S. Patent No. 6,539,336 to Vock                                                                                                                                                                         |
| Ex-1041 | Casio VIVCEL Manual                                                                                                                                                                                       |
| Ex-1042 | U.S. Patent No. 6,661,438 to Shiraishi                                                                                                                                                                    |
| Ex-1043 | Certified translation of JP Patent Publication No. JP2002223475 to Nakatake                                                                                                                               |

| Ex. No. | Description                                                                                                                                                                               |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex-1044 | JP Patent Publication No. JP2002223475 to Nakatake                                                                                                                                        |
| Ex-1045 | U.S. Patent No. 5,878,354 to Hasegawa                                                                                                                                                     |
| Ex-1046 | U.S. Patent Publication No. 2001/0037355 to Britt Jr.                                                                                                                                     |
| Ex-1047 | U.S. Patent No. 6,993,363 to Hsu                                                                                                                                                          |
| Ex-1048 | U.S. Patent Publication No. 2002/0168990 to Valade                                                                                                                                        |
| Ex-1049 | U.S. Patent No. 8,064,887 to Logan                                                                                                                                                        |
| Ex-1050 | Paolo Bonato, <i>Wearable Sensors/Systems and Their Impact on Biomedical Engineering</i> , IEEE Engineering in Medicine and Biology Magazine 18 (2003)                                    |
| Ex-1051 | Thomas Degen et al., <i>SPEEDY: A Fall Detector in a Wrist Watch</i> , Seventh IEEE International Symposium on Wearable Computers, Proceedings 184 (2003)                                 |
| Ex-1052 | Masaaki Fukumoto et al, “ <i>Body Coupled FingerRing</i> ”: <i>Wireless Wearable Keyboard</i> , Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems 147 (1997) |
| Ex-1053 | Cho Gilsoo et al., <i>Wearable Computers</i> , 2 IEEE Pervasive Computing 490 (1998)                                                                                                      |
| Ex-1054 | Ken Hinckley et al., <i>Sensing Techniques for Mobile Interaction</i> , Proceedings of the 13th Annual ACM Symposium on User Interface Software and Technology 91 (2000)                  |
| Ex-1055 | Kiyoshi Itao, <i>Micromechatronics Technology for Wearable Information and Communication Equipment</i> , Sensors and Materials 325 (1998)                                                 |
| Ex-1056 | Pieter Jonker et al., <i>Philosophies and Technologies for Ambient Aware Devices in Wearable Computing Grids</i> , Computer Communications 1145 (2003)                                    |

| Ex. No. | Description                                                                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex-1057 | Noboru Kamijoh et al., <i>Energy Trade-Offs in the IBM Wristwatch Computer</i> , Proceedings Fifth International Symposium on Wearable Computers 133 (2001)                                                                            |
| Ex-1058 | Quentin Ladetto & Bertrand Merminod, <i>In Step with INS: Navigation for the Blind, Tracking Emergency Crews</i> , GPS World 30 (2002)                                                                                                 |
| Ex-1059 | Gerwin Meijer et al., <i>Methods to Assess Physical Activity with Special Reference to Motion Sensors and Accelerometers</i> , 38 IEEE Transactions on Biomedical Engineering 221 (1991)                                               |
| Ex-1060 | Kazushige Ouchi et al., <i>LifeMinder: A Wearable Healthcare Support System Using User's Context</i> , Proceedings 22nd International Conference on Distributed Computing Systems Workshops 791 (2002)                                 |
| Ex-1061 | Hangewei Qian et al., <i>Fall Detection for the Elderly by Accelerometers</i> , 9 International Journal of Information Technology 1 (2003)                                                                                             |
| Ex-1062 | Jun Rekimoto, <i>GestureWrist and GesturePad: Unobtrusive Wearable Interaction Devices</i> , Proceedings Fifth International Symposium on Wearable Computers 21 (2001)                                                                 |
| Ex-1063 | Sung Park et al., <i>Design of a Wearable Sensor Badge for Smart Kindergarten</i> , Proceedings, Sixth International Symposium on Wearable Computers 231 (2002)                                                                        |
| Ex-1064 | Civil Docket Report in <i>Mullen Industries LLC v. Samsung Electronics Co., Ltd. et al.</i> , Case No. 2:24-cv-00049 (E.D. Tex.) (last checked Sept. 30, 2024)                                                                         |
| Ex-1065 | Federal Court Management Statistics–Profiles, U.S. District Courts–Combined Civil and Criminal (June 30, 2024) (available at <a href="https://www.uscourts.gov/file/78871/download">https://www.uscourts.gov/file/78871/download</a> ) |

| Ex. No. | Description                                                                                                                                                                                                                                  |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex-1066 | Docket Control Order in <i>Mullen Industries LLC v. Samsung Electronics Co., Ltd. et al.</i> , Case No. 2:24-cv-00049 (E.D. Tex.) (June 14, 2024) (Dkt. 30)                                                                                  |
| Ex-1067 | Plaintiff's Disclosure of Asserted Claims and Infringement Contentions in <i>Mullen Industries LLC v. Samsung Electronics Co., Ltd. et al.</i> , Case No. 2:24-cv-00049 (E.D. Tex.) (May 15, 2024)                                           |
| Ex-1068 | Defendants Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc.'s Initial Invalidity Contentions in <i>Mullen Industries LLC v. Samsung Electronics Co., Ltd. et al.</i> , Case No. 2:24-cv-00049 (E.D. Tex.) (July 31, 2024) |
| Ex-1069 | Sotera Stipulation Letter dated February 11, 2025                                                                                                                                                                                            |

Pursuant to 37 CFR § 42.6(e)(4)(ii), and the Board's authorization by email of February 18, 2025, Petitioners herewith submit as Exhibit 1069 a copy of a letter that Co-Petitioners Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. sent to Patent Owner Mullen Industries LLC, containing a *Sotera*-type prior art stipulation related to the co-pending district court Case No. 2:24-cv-00049-JRG in the Eastern District of Texas.

Dated: February 19, 2025

Respectfully submitted,

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## **CERTIFICATE OF SERVICE**

I hereby certify that on February 19, 2025, I caused a true and correct copy of the foregoing PETITIONER'S UPDATED LIST OF EXHIBITS to be served electronically on counsel for Patent Owner at the following addresses:

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