**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC,
Petitioner

v.

GREENTHREAD LLC,
Patent Owner

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IPR2024-00265
U.S. Patent No. 9,190,502

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# PETITIONER'S UPDATED EXHIBIT LIST

# UPDATED EXHBIT LIST

| Exhibit No. | Description |
|---|---|
| 1001 | U.S. Patent No. 9,190,502 to Rao (the "'502 Patent") |
| 1002 | Prosecution History of the '502 Patent ("the Prosecution History") |
| 1003 | Declaration of Travis Blalock, PhD |
| 1004 | Curriculum Vitae of Travis Blalock, PhD |
| 1005 | U.S. Patent No. 4,684,971 ("Payne") |
| 1006 | U.S. Patent No. 4,907,058 to Sakai ("Sakai") |
| 1007 | U.S. Patent No. 6,043,114 to Kawagoe, et al., ("Kawagoe") |
| 1008A | Stanley Wolf and Richard N. Tauber, *Silicon Processing For The VLSI Era,* Vol 1, Lattice Press (2000) ("Wolf.1") |
| 1008B | Stanley Wolf and Richard N. Tauber, *Silicon Processing For The VLSI Era,* Vol. 2, Lattice Press (2000) ("Wolf.2") |
| 1008C | Stanley Wolf and Richard N. Tauber, *Silicon Processing For The VLSI Era,* Vol. 3, Lattice Press (2000) ("Wolf.3") |
| 1008D | Stanley Wolf and Richard N. Tauber, *Silicon Processing For The VLSI Era,* Vol. 4, Lattice Press (2000) ("Wolf.4") |
| 1009 | U.S. Patent No. 4,160,985 ("Kamins") |
| 1010 | U.S. Patent No. 4,481,522 ("Jastrzebski") |
| 1011 | U.S. Patent Application Publication No. 2003/0042511 ("Rhodes") |
| 1012 | U.S. Patent Application Publication No. 2002/0102783 ("Fujimoto") |
| 1013 | Wang and Agrawal, *Single Event Upset: An Embedded Tutorial*, 21st Intl Conf on VLSI Design, IEEE 2008 ("Wang") |
| 1014 | Publication Declaration of Alyssa G. Resnick for Wolf.1 and Wolf.2 ("Resnick Decl.") |
| 1015 | Publication Declaration of Rachel J. Watters for Wolf.3 and Wolf.4 ("Watters Decl.") |
| 1016 | IPR2020-00290, Patent Owner Preliminary Response |
| 1017 | U.S. Pat. No. 11,121,222 (the "'222 Patent") |
| 1018 | U.S. Pat. No. 11,316,014 (the "'014 Patent") |
| 1019 | *Greenthread, LLC, v. Samsung Elecs. Co., Ltd. et al.*, Civil Action No. 2:19-cv-00147-JRG, Dkt. 67 (E.D. Tex. Apr. 20, 2019) |
| 1020 | Prosecution History of U.S. Pat. No. 11,121,222 |
| 1021 | Prosecution History of U.S. Pat. No. 11,316,014 |
| 1022 | U.S. Patent Application Publication No. 2004/0063288 ("Kenney") |

| Exhibit No. | Description |
|---|---|
| 1023 | Jaeger, *Introduction to Microelectronic Fabrication*, Vol. V, Addison-Wesley Modular Series on Solid State Devices (1988) ("Jaeger") |
| 1024 | U.S. District Courts – Case Statistics, obtained at https://www.uscourts.gov/statistics-reports/analysis-reports/federal-court-management-statistics , dated March 31, 2023 |
| 1025 | U.S. Patent No. 4,435,896 ("Parrillo") |
| 1026 | L.C. Parrillo, R.S. Payne et al., *Twin-Tub CMOS - A Technology for VLSI Circuits*, IEEE 1980 ("Parrillo2") |
| 1027 | U.S. Patent Application Publication No. 2007/0045682 to Hong *et al*. ("Hong") |
| 1028 | The Oxford American Dictionary and Language Guide, Oxford University Press (1996) |
| 1029 | Defendants' Opening Claim Construction Brief, *Greenthread, LLC v. Intel Corp., et al*., Civil Action No. 6:22-cv-00105-ADA, Dkt. 82 (W.D. Tex. Oct. 10, 2022) |
| 1030 | Greenthread's Response Claim Construction Brief, *Greenthread, LLC v. Intel Corp., et al*., Civil Action No. 6:22-cv-00105-ADA, Dkt. 96 (W.D. Tex. Oct. 31, 2022) |
| 1031 | Defendants' Reply Claim Construction Brief, *Greenthread, LLC v. Intel Corp., et al*., Civil Action No. 6:22-cv-00105-ADA, Dkt. 100 (W.D. Tex. Nov. 14, 2022) |
| 1032 | Greenthread's Sur-Reply Claim Construction Brief, *Greenthread, LLC v. Intel Corp., et al*., Civil Action No. 6:22-cv-00105-ADA, Dkt. 102 (W.D. Tex. Nov. 28, 2022) |
| 1033 | Proposed Claim Constructions in the District Court Case, *Greenthread, LLC v. Intel Corp., et al*., Civil Action No. 6:22-cv-00105-ADA, Dkt. 102 (W.D. Tex. Nov. 28, 2022) |
| 1034 | Redacted District Court Case Transfer Order, *Greenthread, LLC v. Intel Corp., et al*., Civil Action No. 6:22-cv-00105-ADA, Dkt. 113 (W.D. Tex. Dec. 27, 2022) |
| 1035 | *Greenthread, LLC, v. Samsung Elecs. Co., Ltd. et al.*, Civil Action No. 2:19-cv-00147-JRG, Dkt. 105 (E.D. Tex. Jul. 9, 2020) |
| 1036 | IPR2020-00290, Termination Order |

| Exhibit No. | Description |
|---|---|
| 1037 | District Court's Tentative Claim Construction Ruling, *Greenthread, LLC v. Intel Corp. et al.*, Civil Action No. 6:22-cv-00105-ADA (W.D. Tex.) |
| 1038 | U.S. Patent Application Publication No. 2003/0183856 to Wieczorek ("Wieczorek") |
| 1039 | Parillo IEEE Citation List |
| 1040 | Prosecution History of U.S. Patent No. 8,421,195 |
| 1041 | Rabaey *et al*., *Digital Integrated Circuits, A Design Perspective*, Prentice Hall Electronics and VLSI Series (2003) ("Rabaey") |
| 1042 | Sze, *Semiconductor Devices Physics and Technology*, 2d Ed., John Wiley & Sons (2002) |
| 1043 | Publication Declaration of Martin L. Knott for Rabaey ("Knott Decl.") |
| 1044 | Maziasz and Hayes, *Layout Minimization of CMOS* Cells, Kluwer Academic Publishers (1992) ("Maziasz") |
| 1045 | Public Declaration of Sean O'Bryan for Maziasz ("O'Bryan Decl.") |
| 1046 | US. Patent No. 5,986,924 ("Yamada") |
| 1047 | U.S. Patent No. 8,421,195 to Rao (the "'195 Patent") |
| 1048 | U.S. Patent No. 6,614,560 ("Silverbrook") |
| 1049 | Wong, H. P., et al. "CMOS active pixel image sensors fabricated using a 1.8-V 0.25-µm CMOS technology." IEEE Transactions on Electron Devices 45.4 (1998): 889-894. |
| 1050 | Publication Declaration of Silvia Hall-Ellis for Wolf |
| 1051 | Law360 Article "Stays Pending IPR in Del. District Courts Are Here To Stay," Kraning and Del Dotto, March 11, 2022. |
| 1052 | McGraw-Hill Dictionary of Scientific and Technical Terms (2003) |
| 1053 | 01242 Paper 32 - Decision granting Inter Partes Review - PO material |
| 1054 | 01242 Paper 35 - Decision granting Inter Partes Review – public |
| 1055 | 01243 Paper 31 - Decision granting Inter Partes Review - PO material |
| 1056 | 01243 Paper 34 - Decision granting Inter Partes Review – public |
| 1057 | 01244 Paper 32 - Decision granting Inter Partes Review - PO material |
| 1058 | 01244 Paper 35 - Decision granting Inter Partes Review – public |
| 1059 | 01242 Paper 22 - Petitioner's Authorized Reply to Patent Owner's Preliminary Response – confidential |

| Exhibit No. | Description |
|---|---|
| 1060 | 01243 Paper 21 - Petitioner's Authorized Reply to Patent Owner's Preliminary Response – confidential |
| 1061 | 01244 Paper 22 - Petitioner's Authorized Reply to Patent Owner's Preliminary Response - confidential |
| 1062 | Authorization Email to Board |
| 1063 | Transcript of Deposition of Alexander Glew, PHD in IPR2023-01242, -01243, -01244 |
| 1064 | RPX FAQs |
| 1065 | Office Action Response, dated August 1, 2024, in U.S. Patent Application No. 17/728,588 |
| 1066 | Declaration of Douglas Holberg, dated August 1, 2024, in U.S. Patent Application No. 17/728,588 |
| 1067 | Patent Owner's Opposition to Motion to Stay in *Greenthread, LLC v. On Semiconductor Corporation et al.*, 1:23-cv-443-RGA-LDH (D. Del) |
| 1068 | Patent Owner's Surreply Claim Construction Brief in *Greenthread, LLC v. Cirrus Logic, Inc.*, 1:23-cv-00369-DC-DTG (W.D. Tex) |

Dated: March 7, 2025

Respectfully submitted,

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## CERTIFICATE OF SERVICE

In accordance with 37 C.F.R. § 42.6(e), the undersigned certifies that on the 7th day of March, 2025, a complete and entire copy of this **PETITIONER'S UPDATED EXHIBIT LIST** was served on Patent Owner electronically via email to counsel for the Patent Owner:

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