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August 31, 2026

Via EDIS

The Honorable Lisa R. Barton
Secretary to the Commission
U.S. International Trade Commission
500 E Street, SW, Room 112
Washington, DC 20436

Re: First Supplement to the Complaint in *Certain Electronic Devices with Certain Audio Technologies*, Investigation No. 337-TA-____ (Dkt. No. 337-3931)

Complainant BoomCloud 360 Inc. (“BoomCloud”) supplements the Complaint (Doc. ID 891672) filed on August 14, 2026 as follows:

- **Cover Page** – The underlined text is added as follows:

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- **Appendices** – The Table of Appendices at page v of the Complaint is replaced with the following table, and attached to this filing are three new appendices, **Appendices A1, B1, and C1**, which are the prosecution histories of U.S. Provisional 62/592,304 (**Appendix**



A1), U.S. Provisional 62/936,327 (**Appendix B1**) and U.S. Patent No. 10,575,116 (**Appendix C1**), from which the Asserted Patents claims priority.

Appendix Letter	Description
A	Prosecution history of U.S. Patent No. 10,524,078
A1	Prosecution history of U.S. Provisional 62/592,304 ('078 Priority)
B	Prosecution history of U.S. Patent No. 11,533,560
B1	Prosecution history of U.S. Provisional 62/936,327 ('560 Priority)
C	Prosecution history of U.S. Patent No. 11,051,121
C1	Prosecution history of U.S. Patent No. 10,575,116 ('121 Priority)

- **Paragraph 19** – The underlined text is added as follows:

Pursuant to 19 C.F.R. §§ 210.10(b)(1) and 210.12(a)(12), the categories of products accused of infringing one or more of the Asserted Patents are certain electronic devices with certain audio technologies, such as mobile phones, tablets, and products containing certain audio features such as spatial enhancement for stereo speakers using gain adjustment of spatial and nonspatial components together with adjustments for asymmetries between left and right speakers; dynamic audio enhancement that applies enhancements based on rendering system information and metadata indicative of an audio consumption software application; and/or spatial audio enhancement using crosstalk processing together with compensation for spectral defects caused by the crosstalk processing.

- **Paragraph 28** – The table below is added in its entirety to this paragraph:

Country / Office	Application No. (Filing Date)	Publication No. (Publication Date)	Patent / Reg. No. (Grant Date)	Status
China	201880077225.3 (Nov. 26, 2018)	CN 111418220 A (July 14, 2020)	CN 111418220 B ZL 201880077225.3 (Apr. 20, 2021)	Granted



Country / Office	Application No. (Filing Date)	Publication No. (Publication Date)	Patent / Reg. No. (Grant Date)	Status
European Patent Office	18882752.1 (Nov. 26, 2018)	EP 3718317 A1 (Oct. 7, 2020) EP 3718317 A4 (July 21, 2021)	—	Pending
India	202047021964 (Nov. 26, 2018)	—	IN 447791 (Aug. 28, 2023)	Granted
Japan	2020-529258 (Nov. 26, 2018)	JP 2021-505064 A (Feb. 15, 2021)	JP 6891350 B2 (May 28, 2021)	Granted
Japan (div.)	2021-088445 (May 26, 2021)	JP 2021-132408 A (Sept. 9, 2021)	JP 7410082 B2 (Dec. 25, 2023)	Granted
Japan (div.)	2023-137381 (Aug. 25, 2023)	JP 2023-153394 A (Oct. 17, 2023)	JP 7597876 B2 (Dec. 13, 2024)	Granted
Japan (div.)	2024-207610 (Nov. 28, 2024)	JP 2025-027075 A (Feb. 26, 2025)	JP 7811628 B2 (Feb. 6, 2026)	Granted
Japan (div.)	2026-010663 (Jan. 26, 2026)	JP 2026-067957 A (Apr. 21, 2026)	—	Pending
Republic of Korea	10-2020-7018623 (Nov. 26, 2018)	KR 10-2020-0080344 A (July 6, 2020)	KR 10-2185071 B1 (Nov. 25, 2020)	Granted
Republic of Korea (div.)	10-2020-7033738 (Nov. 24, 2020)	KR 10-2020-0137020 A (Dec. 8, 2020)	KR 10-2475646 B1 (Dec. 5, 2022)	Granted
Taiwan	107142652 (Nov. 29, 2018)	TW 201927010 A (July 1, 2019)	TW I692257 B (Apr. 21, 2020)	Granted
PCT (WIPO)	PCT/US2018/062487 (Nov. 26, 2018)	WO 2019/108487 A1 (June 6, 2019)	—	Ceased (national phase entered)

- **Paragraph 34** – The table below is added in its entirety to this paragraph:



Country / Office	Application No. (Filing Date)	Publication No. (Publication Date)	Patent / Reg. No. (Grant Date)	Status
China	202080093274.3 (Sept. 30, 2020)	CN 115023958 A (Sept. 6, 2022)	—	Pending
European Patent Office	20888367.8 (Sept. 30, 2020)	EP 4059235 A1 (Sept. 21, 2022) EP 4059235 A4 (Dec. 6, 2023)	—	Pending
India	202247034167 (Sept. 30, 2020)	202247034167 (June 24, 2022)	IN 571081 (Sept. 24, 2025)	Granted
Japan	2022-527900 (Sept. 30, 2020)	JP 2023-503826 A (Feb. 1, 2023)	JP 7511638 B2 (June 27, 2024)	Granted
Republic of Korea	10-2022-7020078 (Sept. 30, 2020)	KR 10-2022-0101153 A (July 19, 2022)	KR 10-2648151 B1 (Mar. 12, 2024)	Granted
Taiwan	109136103 (Oct. 19, 2020)	TW 202127432 A (July 16, 2021)	TW I774090 B (Aug. 11, 2022)	Granted
Taiwan (div.)	111127140 (Oct. 19, 2020)	TW 202244901 A (Nov. 16, 2022)	TW I828241 B (Jan. 1, 2024)	Granted
Taiwan (div.)	112146729 (Oct. 19, 2020)	TW 202414389 A (Apr. 1, 2024)	TW I899727 B (Oct. 1, 2025)	Granted
Taiwan (div.)	114133035 (Oct. 19, 2020)	TW 202614038 A (Apr. 1, 2026)	—	Pending
PCT (WIPO)	PCT/US2020/053660 (Sept. 30, 2020)	WO 2021/096606 A1 (May 20, 2021)	—	Ceased (national phase entered)

- **Paragraph 40** – The table below is added in its entirety to this paragraph:



Country / Office	Application No. (Filing Date)	Publication No. (Publication Date)	Patent / Reg. No. (Grant Date)	Status
China	201880094798.7 (July 6, 2018)	CN 112313970 A (Feb. 2, 2021)	CN 112313970 B ZL 201880094798.7 (Dec. 14, 2021)	Granted
China (div.)	202111363772.8 (July 6, 2018)	CN 114222226 A (Mar. 22, 2022)	—	Pending
European Patent Office	18923246.5 (July 6, 2018)	EP 3811636 A1 (Apr. 28, 2021) EP 3811636 A4 (Mar. 9, 2022)	—	Pending (allowed; Rule 71(3) notice Apr. 15, 2026)
European Patent Office (div.)	24218396.0 (July 6, 2018)	EP 4496349 A2 (Jan. 22, 2025) EP 4496349 A3 (Apr. 23, 2025)	—	Pending
India	202147000542 (July 6, 2018)	—	IN 466197 (Nov. 6, 2023)	Granted
Japan	2020-570844 (July 6, 2018)	JP 2021-522755 A (Aug. 30, 2021)	JP 7113920 B2 (July 28, 2022)	Granted
Japan (div.)	2022-069432 (Apr. 20, 2022)	JP 2022-101630 A (July 6, 2022)	JP 7370415 B2 (Oct. 19, 2023)	Granted
Republic of Korea	10-2021-7001847 (July 6, 2018)	KR 10-2021- 0012042 A (Feb. 2, 2021)	KR 10-2296801 B1 (Aug. 26, 2021)	Granted
Republic of Korea (div.)	10-2021-7027321 (July 6, 2018)	KR 10-2021- 0107922 A (Sept. 1, 2021)	KR 10-2548014 B1 (June 22, 2023)	Granted
Republic of Korea (div.)	10-2023-7021018 (July 6, 2018)	KR 10-2023- 0101927 A (July 6, 2023)	KR 10-2729576 B1 (Nov. 8, 2024)	Granted
Taiwan	107123899 (July 10, 2018)	TW 202002678 A (Jan. 1, 2020)	TW I690220 B (Apr. 1, 2020)	Granted



Country / Office	Application No. (Filing Date)	Publication No. (Publication Date)	Patent / Reg. No. (Grant Date)	Status
Taiwan (div.)	109106382 (July 10, 2018)	TW 202027517 A (July 16, 2020)	TW I787586 B (Dec. 21, 2022)	Granted
PCT (WIPO)	PCT/US2018/041125 (July 6, 2018)	WO 2019/245588 A1 (Dec. 26, 2019)	—	Ceased (national phase entered)

- **Paragraph 75** – The underlined text is added as follows:

Other than these suits, the Asserted Patents are not and have not been the subject of any prior litigation and the alleged unfair methods of competition and unfair acts, or the subject matter thereof, are not and have not been the subject of any court or agency litigation, or of any arbitration.

- **Paragraph 83** – The underlined text is added as follows:

BoomCloud is headquartered in Encinitas, California, and has invested and continues to invest significant sums in domestic labor and capital relating to the Domestic Industry Products. Details relating to BoomCloud's domestic expenditures on labor and capital are set forth in Confidential Exhibit 7C. Because the Domestic Industry Products have always been and continue to be BoomCloud's primary product offering, the foregoing domestic investments are significant under Section 337, both in absolute terms and relative to BoomCloud's overall operations. The domestic investments and activities are also vital to BoomCloud's domestic business with respect to the Domestic Industry Products and represent significant and overwhelming added value.

- **Paragraph 84** – The underlined text is added as follows:

BoomCloud has also invested and continues to invest significant sums in domestic plant and equipment relating to the Domestic Industry Products. Details relating to BoomCloud's domestic expenditures on plant and equipment are set forth in Confidential Exhibit 7C. Because the Domestic Industry Products have always been and continue to be BoomCloud's primary product offering, the foregoing domestic investments are significant under Section 337, both in absolute terms and relative to BoomCloud's overall operations. The domestic investments and activities are also vital to BoomCloud's domestic business with respect to the Domestic Industry Products and represent significant and overwhelming added value.



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- **Amended Exhibit 7C** – Please find attached an Amended Exhibit 7C, which is being concurrently filed in both a Confidential and Non-Confidential version.

Thank you for your attention to this matter. Please contact me should you have any question concerning this submission.

Very truly yours,

Russ, August & Kabat

A handwritten signature in blue ink, reading 'Matthew D. Aichele'.

Matthew D. Aichele