UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO. LTD.,
SAMSUNG ELECTRONICS AMERICA, INC.
SAMSUNG SEMICONDUCTOR, INC., and
SAMSUNG AUSTIN SEMICONDUCTOR, LLC,

Petitioner

v.

CHIEN-MIN SUNG,

Patent Owner

IPR2024-00534
U.S. Patent No. 9,138,862 B2

PATENT OWNER'S NOTICE OF APPEAL

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
Submitted Electronically via P-TACTS

Director of the U.S. Patent and Trademark Office
c/o Office of the General Counsel
P.O. Box 1450
Alexandria, VA 22314-5793

Pursuant to 35 U.S.C. §§ 141-44 and 319, and 37 C.F.R. § 90.2-90.3, notice is hereby given that Patent Owner Chien-Min Sung ("Dr. Sung") appeals to the United States Court of Appeals for the Federal Circuit from the Final Written Decision entered September 17, 2025 (Paper 36) in IPR2024-00534 and from all underlying findings, determinations, rulings, opinions, orders, and decisions regarding the *inter partes* review of U.S. Patent No. 9,138,862 B2 (the "'862 patent").

In accordance with 37 C.F.R. § 90.2(a)(3)(ii), Patent Owner states that the issues on appeal may include, but are not limited to, the Board's determination that Claims 1–6, 9–12 and 20 of the '862 patent are unpatentable as anticipated by Sung '026; the Board's determination that claims 1–6, 9–12 and 20 of the '862 patent are unpatentable as obvious over Sung '026; the Board's determination that claims 5–10 of the '862 patent are unpatentable as obvious over Sung '026 and Sung ICPT; the Board's determination that claims 13 and 17–19 of the '862 patent are unpatentable as obvious over Sung '026 and Nishioka; the Board's determination that claim 14 of the '862 patent is unpatentable as obvious over Sung '026 and Lin; the Board's determination that claim 15 of the '862 patent is

unpatentable as obvious over Sung ’026 and Kim; the Board’s determination that claim 16 of the ’862 patent is unpatentable as obvious over Sung ’026 and Koyama; the Board’s denial of Patent Owner’s Motion to Exclude (Paper 36); the Board’s denial of Patent Owner’s Request for Director Review (Paper 39); consideration and/or lack of consideration of the expert testimony, prior art, and other evidence and arguments in the record; the Board’s factual findings, conclusions of law, or other determinations; as well as other issues decided adversely to Patent Owner in any orders, decisions, rulings, and opinions.

Pursuant to 37 C.F.R. § 90.3(b), this Notice of Appeal is timely, having been duly filed within 63 days of the Order Denying Patent Owner’s Request for Director Review entered January 26, 2026 (Paper 39).

A copy of this Notice of Appeal is being filed simultaneously with the Patent Trial and Appeal Board, the Director of the U.S. Patent and Trademark Office, the Clerk’s Office for the United States Court of Appeals for the Federal Circuit, and served on Petitioners.

Dated: March 16, 2026

/ Alex Chan /
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Attorney for Patent Owner
Dr. Chien-Min Sung

CERTIFICATE OF FILING

I certify that the foregoing was filed electronically with the Board through the P-TACTS System, and an electronic copy was sent via electronic mail to the Director of the U.S. Patent and Trademark Office on March 16, 2026 at the address indicated on the web page for the Office of the General Counsel: efileSO@uspto.gov

I further certify that a true and correct copy of the foregoing Notice of Appeal, along with the required filing fee, was filed electronically with the Court of Appeals for the Federal Circuit via CM/ECF on March 16, 2026.

/ Alex Chan /
Alex Chan

Attorney for Patent Owner

CERTIFICATE OF SERVICE

I hereby certify that on March 16, 2026, I caused a true and correct copy of the foregoing materials to be served via the Patent Office electronic filing system, and electronic service via email to the following attorneys of record pursuant to Petitioner's consent:

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