UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD., GOOGLE LLC; and
SAMSUNG ELECTRONICS AMERICA, INC.
Petitioner,

v.

HEADWATER RESEARCH LLC,
Patent Owner.

Case IPR2024-00341
Patent 8,406,733

PATENT OWNER'S NOTICE OF APPEAL

Office of the Solicitor
United States Patent and Trademark Office
efileSO@uspto.gov
Submitted Electronically via the PTAB P-TACTS System

Pursuant to 35 U.S.C. §§ 141, 142, and 319, and in accordance with 37 C.F.R. §§ 90.2–90.3, Patent Owner Headwater Research LLC hereby provide notice that they appeal to the United States Court of Appeals for the Federal Circuit from the Final Written Decision of the Patent Trial and Appeal Board ("Board") entered on July 23, 2025 in IPR2024-00341 (Paper 28) ("Final Written Decision") and subsequent Order Denying Director Review of the Final Written Decision (Paper No. 32) ("Order Denying Director Review") entered on September 19, 2025, and from all underlying findings, determinations, rulings, opinions, orders, and decisions regarding the *inter partes* review of U.S. Patent No. 8,406,733 ("the '733 Patent"). This notice is timely under 37 C.F.R. § 90.3(b)(1), having been filed no later than 63 days after the Board's Order Denying Director Review.

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 1–17, 19, 21–27, 29, and 30 of the '733 Patent have been shown to be unpatentable; the Board's consideration of the expert testimony, prior art, and other evidence in the record; and the Board's factual findings, conclusions of law, or other determinations supporting or related to those issues, as well as all other issues decided adversely to Patent Owner in any orders, decisions, rulings, and opinions.

Date: November 20, 2025

/Reza Mirzaie/

Reza Mirzaie (Reg. No. 69,138)
RUSS, AUGUST & KABAT
12424 Wilshire Blvd., 12th Fl.
Los Angeles, CA 90025

Counsel for Patent Owner

CERTIFICATE OF FILING

The undersigned hereby certifies that, in addition to being electronically filed through the Patent Trial and Appeal Board End to End System, the above document is being sent on November 20, 2025 by email to the United States Patent and Trademark Office at efileSO@uspto.gov.

The undersigned also hereby certifies that the above document is being e-filed with the Clerk's Office for the United States Court of Appeals for the Federal Circuit, along with payment of the required docketing fees.

Date: November 20, 2025

/Reza Mirzaie/

Reza Mirzaie (Reg. No. 69,138)
RUSS, AUGUST & KABAT
12424 Wilshire Blvd., 12th Fl.
Los Angeles, CA 90025

Counsel for Patent Owner

CERTIFICATE OF SERVICE (37 C.F.R. § 42.6(e))

The undersigned hereby certifies that the above document was served on November 20, 2025 by filing this document through the Patent Trial and Appeal Case Tracking System (P-TACTS) as well as delivering a copy via electronic mail upon the following attorneys of record for Petitioners:

W. Karl Renner (Reg. No. 41,265)
Jeremy J. Monaldo (Reg. No. 58,680)
Karan Jhurani (Reg. No. 71,777)
Parvin Ghane, (Reg. No. 76,005)
FISH & RICHARDSON P.C.
60 South Sixth Street, Suite 3200
Minneapolis, MN 55402
IPR39843-0164IP1@fr.com

Gregory F. Corbett (*pro hac vice* forthcoming)
Turhan F. Sarwar (*pro hac vice* forthcoming)
WOLF, GREENFIELD & SACKS, P.C.
600 Atlantic Avenue
Boston, MA 02210
Gregory.Corbett@wolfgreenfield.com
TSarwar-PTAB@wolfgreenfield.com

Date: November 20, 2025

/Reza Mirzaie/
Reza Mirzaie (Reg. No. 69,138)
RUSS, AUGUST & KABAT
12424 Wilshire Blvd., 12th Fl.
Los Angeles, CA 90025

Counsel for Patent Owner