UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,

Petitioner

v.

GEOSCOPE TECHNOLOGIES PTE. LTD,

Patent Owner.

CASE: IPR2024-00031

U.S. Patent No. 8,400,358

PATENT OWNER'S FOURTH AMENDED MANDATORY NOTICES

Pursuant to 37 C.F.R. §§ 42.8(a)(2) and 42.8(b), Patent Owner, Geoscope Technologies Pte. Ltd., hereby submits the following Mandatory Notices in connection with Apple Inc.'s Petition for *Inter Partes* Review of U.S. Patent No. 8,400,358.

I. 37 C.F.R. § 42.8(b)(1): Real Party-in-Interest

Geoscope Technologies Pte. Ltd. is the real party-in-interest.

II. 37 C.F.R. § 42.8(b)(2): Related Matters

Patent Owner identifies the following judicial or administrative matters that could affect, or could be affected by, a decision in this proceeding:

- *Geoscope Technologies Pte. Ltd. v. Google LLC*, No. 1:22-cv-01331-LGS (E.D. Va.) (filed Nov. 22, 2022);
- *Geoscope Technologies Pte. Ltd. v. Apple, Inc.*, No. 1:22-cv-01373-LGS (E.D. Va.) (filed Dec. 1, 2022);
- *Google LLC v. Geoscope Technologies Pte. Ltd.*, IPR2023-01209 (P.T.A.B.) (filed August 10, 2023);
- *Google LLC v. Geoscope Technologies Pte. Ltd.*, IPR2023-01210 (P.T.A.B.) (filed August 10, 2023);
- *Google LLC v. Geoscope Technologies Pte. Ltd.*, IPR2023-01211 (P.T.A.B.) (filed August 10, 2023);

- *Google LLC v. Geoscope Technologies Pte. Ltd.*, IPR2023-01212 (P.T.A.B.) (filed August 9, 2023);
- *Google LLC v. Geoscope Technologies Pte. Ltd.*, IPR2023-01213 (P.T.A.B.) (filed August 9, 2023);
- *Geoscope Technologies Pte. Ltd. v. Google LLC*, No. 24-1003 (Fed. Cir.) (docketed October 2, 2023);
- *Geoscope Technologies Pte. Ltd. v. Apple Inc*., No. 24-1018 (Fed. Cir.) (docketed October 5, 2023);
- *Apple Inc. v. Geoscope Technologies Pte. Ltd.*, IPR2024-00032 (P.T.A.B.) (filed October 31, 2023);
- *Apple Inc. v. Geoscope Technologies Pte. Ltd.*, IPR2024-00255 (P.T.A.B.) (filed December 1, 2023); and
- *Apple Inc. v. Geoscope Technologies Pte. Ltd.*, IPR2024-00259 (P.T.A.B.) (filed December 6, 2023).

Each of the above matters involves the same patent at issue in the present IPR and/or a patent that shares a priority claim with the patent at issue in the present IPR.

III. 37 C.F.R. § 42.8(b)(3): Lead and Back-up Counsel (Updated)

Patent Owner is represented by the following lead and back-up counsel:

Lead Counsel	Other Counsel
James T. Carmichael Reg. No. 45,306 CARMICHAEL IP, PLLC 8607 Westwood Center Drive Suite 270 Tysons, VA 22182 Email: jim@carmichaelip.com Tel: (703) 646-9255	Stephen McBride Reg. No. 78,396 CARMICHAEL IP, PLLC 8607 Westwood Center Drive Suite 270 Tysons, VA 22182 Email: stevemcbride@carmichaelip.com Tel: 703-646-9247 Stephen Schreiner Reg. No. 43,097 CARMICHAEL IP, PLLC 8607 Westwood Center Drive Suite 270 Tysons, VA 22182 Email: schreiner@carmichaelip.com Tel: 703-646-9254 Minghui Yang Reg. No. 71,989 CARMICHAEL IP, PLLC 8607 Westwood Center Drive Suite 270 Tysons, VA 22182 Email: mitch@carmichaelip.com Tel: 703-646-9248

	Saunak K. Desai (*pro hac vice)* SCHULTE ROTH & ZABEL LLP 919 Third Avenue New York, New York 10022 Email: saunak.desai@srz.com Tel: (212) 756-2000

IV. 37 C.F.R. § 42.8(b)(4): Service Information (Updated)

Patent Owner requests that all electronic correspondence be directed to its lead and back-up counsel identified in Section III above.

CARMICHAEL IP, PLLC
8607 Westwood Center Drive
Suite 270
Tysons, VA 22182

Patent Owner also consents to electronic service by email at the following addresses: jim@carmichaelip.com, stevemcbride@carmichaelip.com, schreiner@carmichaelip.com, mitch@carmichaelip.com, saunak.desai@srz.com, patent@srz.com and geoscopeIPRs@carmichaelip.com.

Date: July 11, 2024

Respectfully submitted,

By: _/Stephen McBride/____

Stephen McBride
Reg. No. 78,396
CARMICHAEL IP, PLLC
8607 Westwood Center Drive
Suite 270
Tysons, VA 22182
Email: stevemcbride@carmichaelip.com
Tel.: 703-646-9247

Counsel for Patent Owner
Geoscope Technologies Pte. Ltd.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that the following document was served by electronic service, by agreement between the parties, on the date below:

PATENT OWNER'S FOURTH AMENDED MANDATORY NOTICES

The names and email address of the parties being served are as follows:

W. Karl Renner
Roberto Devoto
Ryan Chowdhury
Usman A. Khan
FISH & RICHARDSON P.C.

Email: IPR50095-0138IP1@fr.com

Date: July 11, 2024 By: _/Stephen McBride/_____
Stephen McBride
Reg. No. 78,391