UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GOOGLE, LLC,

Petitioner

v.

GEOSCOPE TECHNOLOGIES PTE. LTD,

Patent Owner.

CASE: IPR2023-01209

U.S. Patent No. 7,561,104

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 Google LLC's Petition for Inter Partes Review of U.S. Patent No. 7,561,104.

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-MSN (E.D. Va.) (filed Nov. 22, 2022);
- *Geoscope Technologies Pte. Ltd. v. Apple, Inc.*, No. 1:22-cv-01373-MSN (E.D. Va.) (filed Dec. 1, 2022);
- *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.*, IPR2024-00031 (P.TA.B.) (filed October 31, 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@carmichalip.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 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 Ryan J. Singer Reg. No. 79,736 SCHULTE ROTH & ZABEL LLP 919 Third Avenue New York, New York 10022 Email: ryan.singer@srz.com Tel: (212) 756-2000 Christopher M. Gerson (*pro hac vice)* SCHULTE ROTH & ZABEL LLP 919 Third Avenue New York, New York 10022 Email: chris.gerson@srz.com Tel: (212) 756-2000

	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, mitch@carmichaelip.com, ryan.singer@srz.com, chris.gerson@srz.com, saunak.desai@srz.com, patent@srz.com and geoscopeIPRs@carmichaelip.com.

Date: May 22, 2024

Respectfully submitted,

By: /Ryan J. Singer/

Ryan J. Singer (Reg. No. 79,736)
SCHULTE ROTH & ZABEL LLP
919 Third Avenue
New York, NY 10022
Tel: (212) 756-2000

Attorney for Patent Owner

CERTIFICATE OF SERVICE

The undersigned hereby certifies that, pursuant to 37 CFR § 42.6(e), a true and correct copy of the foregoing **PATENT OWNER'S FOURTH AMENDED MANDATORY NOTICES** have been served electronically via email on counsel of record for Petitioner:

Lead Counsel: Patrick C. Keane, Esq. Reg. No. 32,858 BUCHANAN INGERSOLL & ROONEY PC 1737 King Street, Suite 500 Alexandria, Virginia 22314 Direct Telephone: (703) 838-6522 Email: patrick.keane@bipc.com	**Backup Counsel:** Roger H. Lee, Esq. Reg. No. 46,317 BUCHANAN INGERSOLL & ROONEY PC 1737 King Street, Suite 500 Alexandria, Virginia 22314 Direct Telephone: (703) 838-6545 Email: roger.lee@bipc.com
Backup Counsel: Matthew L. Fedowitz, Esq. Reg. No. 61,386 BUCHANAN INGERSOLL & ROONEY PC 1700 K Street, NW, Suite 300 Washington, DC 20006 Direct Telephone: (202) 452-7306 Email: matthew@fedowitz@bipc.com	**Backup Counsel:** Andrew R. Cheslock, Esq. Reg. No. 68,577 BUCHANAN INGERSOLL & ROONEY PC 1737 King Street, Suite 500 Alexandria, Virginia 22314 Direct Telephone: (703) 838-6523 Email: andrew.cheslock@bipc.com
Backup Counsel: Mythili Markowski, Ph.D., Esq. Reg. No. 67,063 BUCHANAN INGERSOLL & ROONEY PC 1700 K Street, NW, Suite 300 Washington, DC 20006 Direct Telephone: (202) 452-7314 Email: mythili.markowski@bipc.com	**Backup Counsel:** Samuel Harrod, Esq. Reg. No. 79,148 BUCHANAN INGERSOLL & ROONEY PC Union Trust Building 501 Grant Street, Suite 200 Pittsburgh, Pennsylvania 15219 Direct Telephone: (412) 562-8805 Email: samuel.harrod@bipc.com

Backup Counsel: Ralph G. Fischer, Esq. Reg. No. 55,179 BUCHANAN INGERSOLL & ROONEY PC Union Trust Building 501 Grant Street, Suite 200 Pittsburgh, Pennsylvania 15219 Direct Telephone: (412) 392-2121 Email: ralph.fischer@bipc.com	

Dated: May 22, 2024

Respectfully submitted,

By: /Ryan J. Singer/
Ryan J. Singer