

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GOOGLE LLC,
Petitioner,

v.

GEOSCOPE TECHNOLOGIES PTE. LTD.
Patent Owner

Case No. IPR2023-01213
U.S. Patent No. 9,097,784

PATENT OWNER'S RESPONSE

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LIST OF EXHIBITS

Exhibit No.	Petitioner's Exhibits
1001	U.S. Patent No. 9,097,784, issued on July 14, 2009 (“the ’784 Patent”)
1002	File History of U.S. Patent Application No. 14/518,868, filed on October 20, 2014 (“the ’868 Application”)
1003	U.S. Provisional Application No. 60/899,379, filed on February 5, 2007
1004	U.S. Patent No. 6,381,533, issued on April 30, 2002 to A. Crane et al. (“Crane”)
1005	U.S. Patent Publication No. 2003/0064735, published on April 3, 2003 to D. Spain et al. (“Spain”)
1006	Amendment filed in U.S. Patent Application No. 12/026,372 on July 28, 2014
1007	Amendment filed in U.S. Patent Application No. 12/026,372 on October 3, 2014
1008	Declaration of David Hilliard Williams
1009	Curriculum Vitae of David Hilliard Williams
1010	Geoscope’s Preliminary Infringement Contentions dated April 7, 2023 (without appendices), <i>Geoscope Technologies Pte. Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
1011	Appendix E to Geoscope’s Preliminary Infringement Contentions dated April 7, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv-01331 (EDVA)

1012	Complaint dated November 22,2022, <i>Geoscope Technologies Pte. Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv01331 (EDVA) filed on November 22, 2022 (“the Related Litigation”)
1013	Preliminary Identification of Asserted Claims dated March 27, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv-01331 (EDVA) filed on November 22,2022
1014	Not Assigned
1015	Not Assigned
1016	Difference comparison between the text of the Specifications of the Dressler and Spain
1017	U.S. Patent No. 7,433,695, issued on October 7, 2008 to S. Gordon et al. (“Gordon”)
1018	U.S. Patent No. 7,561,104, issued on July 14, 2009 to M. Alles et al. (“the ’104 patent”)
1019	File History of Reexamination Control No. 90/012,694 (“the ’694 Reexamination”)
1020	Difference comparison between the text of the Specifications of the Gordon and Spain
1021	U.S. Patent No. 7,460,505, issued on December 2, 2008 to D. Spain (“the ’505 Patent”)
1022	Difference comparison between the text of the Specifications of the ’505 Patent and Spain
1023	Supplemental Stipulation Regarding Agreed Upon Claim Constructions dated May 25, 2023, <i>Geoscope Technologies Pte Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv-01331 (EDVA) filed on November 22, 2022
1024	Not Assigned

1025	Google LLC's Opening Claim Construction Brief dated May 26, 2023, <i>Geoscope Technologies Pte Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv-01331 (EDVA) filed on November 22, 2022
1026	Not Assigned
1027	Second Supplemental Stipulation Regarding Agreed Upon Claim Constructions dated July 10, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1 :22-cv01331 (EDVA) filed on November 22, 2022
1028	Claim Construction Memorandum Opinion & Order dated July 19, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC f/k/a Google Inc.</i> , Civ. Action No. 1:22-cv-01331 (EDVA) filed on November 22, 2022
	Patent Owner's Exhibits
2001	Declaration of Christopher M. Gerson in Support of Patent Owner's Motion for Pro Hac Vice Admission of Christopher M. Gerson Under 37 C.F.R. § 42.10(c)
2002	<i>Not Assigned</i>
2003	Memorandum Opinion on Google's Motion for Judgment on the Pleadings on Patent Eligibility dated September 18, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
2004	Memorandum Opinion on Apple's Motion for Judgment on the Pleadings on Patent Eligibility dated September 18, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv-01373 (EDVA)
2005	Final Judgment dated October 6, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
2006	Final Judgment dated October 5, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv-01373 (EDVA)

2007	Order dated June 26, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
2008	Email from Saunak Desai to Stephen E. Noona, “Geoscope v. Google - Claim Narrowing” (June 12, 2023)
2009	Claim Construction Memorandum Opinion & Order dated July 19, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv-01373 (EDVA)
2010	Order dated June 26, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv-01373 (EDVA)
2011	Defendant Google LLC’s Final Invalidity Contentions dated July 3, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
2012	Geoscope’s Opening Appeal Brief dated November 17, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC, Apple Inc.</i> , Case Nos. 24-1003 (Lead) 24-1018 (member) (Fed. Cir.)
2013-2017	<i>Not Assigned</i>
2018	Stipulation of Partial Judgment of Noninfringement and Invalidity dated August 22, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
2019	Order dated September 18, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv-01331 (EDVA)
2020	Partial Judgment dated September 18, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Civ. Action No. 1:22-cv01331 (EDVA)
2021	Stipulation of Partial Judgment of Noninfringement and Invalidity dated August 15, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv-01373 (EDVA)
2022	Order dated September 18, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv-01373 (EDVA)

2023	Partial Judgment dated September 18, 2023, <i>Geoscope Technologies Pte. Ltd. v. Apple Inc.</i> , Civ. Action No. 1:22-cv01373 (EDVA)
2024	Docketing Statement dated October 16, 2023, <i>Geoscope Technologies Pte. Ltd. v. Google LLC</i> , Case No. 24-1003 (Fed. Cir.)

**I. PETITIONER FAILS TO MEET ITS BURDEN TO PROVE THAT
THE CHALLENGED CLAIMS ARE UNPATENTABLE**

The Board should refuse to find claims 1, 2, 10-13, 21, and 22 (“Challenged Claims”) of U.S. Patent No. 9,097,784 (“’784 Patent”) unpatentable because none of Petitioner’s art—individually or in combination—teaches or suggests every limitation of these claims.

The only two independent claims in the ’784 Patent (claims 1 and 12), and thus all the dependent claims, recite “determining from said status a most likely one of said plural streets upon which said wireless device is located.”¹ The only ground raised by Petitioner is an obviousness challenge based on the combination of U.S. Patent No. 6,381,533 (“Crane”; Ex. 1004) and U.S. Patent App. Pub. No. 2003/0064735 (“Spain”; Ex. 1005). Petitioner does not, however, contend that Spain teaches or suggests this limitation as it points to nothing in Spain as allegedly disclosing this limitation. Pet. at 33-35.

For the reasons explained in Patent Owner’s Preliminary Response, Crane has no teaching or suggestion of “determining from said status a most likely one of said plural streets upon which said wireless device is located.” Prelim. Resp. at 25-27. At best, Crane teaches determining whether a mobile device is in a vehicle on some

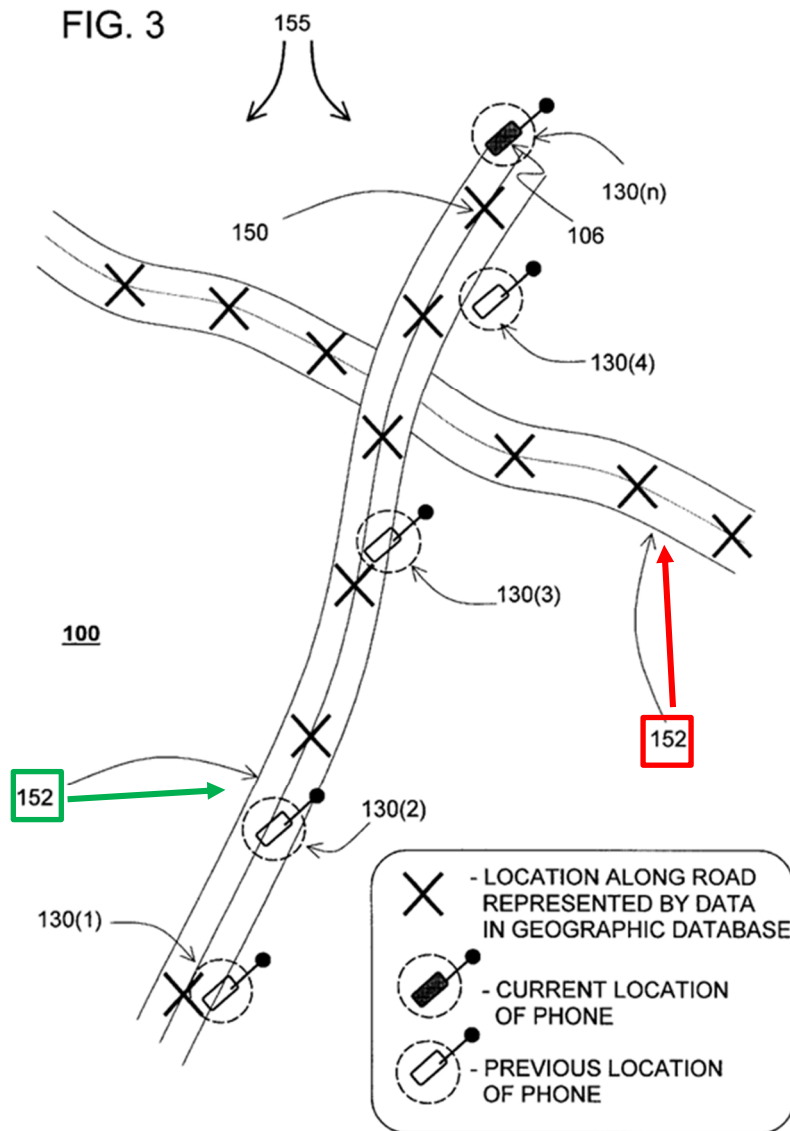
¹ Claim 12 recites “circuitry for determining from said status a most likely one of said plural streets upon which said wireless device is located.” Ex. 1001 at cl. 12.

street but does not teach or suggest determining “a *most likely* one of said plural streets upon which said wireless device is located,” as required by the Challenged Claims. Ex. 1001 at cls. 1, 12 (emphasis added); Prelim. Resp. at 25-27.

Petitioner relies on Crane’s disclosure that “[i]f the distances 270 are sufficiently small, the cellular phone can be assumed to be in a vehicle traveling along the actual road.” Pet. at 33-35 (citing Ex. 1004 at 3:57-4:22). Petitioner contends that Crane’s reference to an “the actual road” is a disclosure of determining the “most likely” road. Pet. at 34-35. Petitioner further points to the “most likely street” as the “road 152” disclosed in Crane. Pet. at 34-35 (“... to determine the most likely street (*e.g.*, 152) that the vehicle carrying the cellular phone is travelling along.”).

In the Institution Decision, the Board preliminarily found that “[t]he Crane system then determines ‘the *actual* road’” if ‘the distances 270 are sufficiently small,’” and that this is “sufficient to support that Crane teaches determining a most likely one of said plural streets upon which said wireless device is located.” D.I. at 29 (quoting Ex. 1004 at 4:17-22) (emphasis in original). But Crane makes clear that its system does *not* differentiate between streets, and is only able to determine whether a mobile device is on a street at all. This is contrary to the Challenged Claims, which require determining a “*most likely*” street that a device is located on out of a plurality of possible streets. Ex. 1001 at cls. 1, 12 (emphasis added).

For example, contrary to Petitioner's assertion, Crane does not use "152" in its figures to refer to a single street, but rather "*a plurality of roads 152* that form a road network 155 in the geographic area 100." Ex. 1004 at 3:33-36 (emphasis added). Crane's figures confirm this, labeling two different streets with "152":



Ex. 1004 at Fig. 3 (annotated to show references to "152"), 4:8-13 ("In FIG. 5, straight dashed lines 266 are shown connecting the points 150 that are located along

the actual roads (152 shown in FIG. 3) and for which data (174 in FIG. 4) are included in the geographic database to represent the positions of the roads.”) (emphasis added). Figure 6 shows the same—Crane uses “152” to depict two *different* streets. *Id.* at Fig. 6.

Thus, the system of Crane is only directed to determining whether a device is located on one of a “plurality of roads 152”. Ex. 1004 at 3:33-36. The Crane system is indifferent to which road the device is located on. The Challenged Claims, however, are not—they require determining “a *most likely one of said plural streets* upon which said wireless device is located.” Ex. 1001 at cls. 1, 12 (emphasis added). This is a critical distinction between the teachings of Crane and what is required by the Challenged Claims.

II. CONCLUSION

For the foregoing reasons, Petitioner has failed to meet its burden to prove that the Challenged Claims of the '784 Patent are unpatentable. Accordingly, the Board should confirm the patentability of the Challenged Claims.

Dated: May 28, 2024

Respectfully submitted,

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CERTIFICATE OF COMPLIANCE

The undersigned certifies that this brief complies with the type-volume limitations of 37 CFR § 42.24(a)(1)(i). This brief contains 754 words as calculated by the “Word Count” feature of Microsoft Word, the word processing program used to create it. The undersigned further certifies that this brief complies with the typeface requirements of 37 CFR § 42.6(a)(2)(ii) and typestyle requirements of 37 CFR § 42.6(a)(2)(iii). This brief has been prepared in a proportionally spaced typeface using Microsoft Word in Times New Roman 14 point font.

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