

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 January 2023 (05.01.2023)



(10) International Publication Number
WO 2023/277808 A2

- (51) **International Patent Classification:**
Not classified
- (21) **International Application Number:**
PCT/SG2022/050440
- (22) **International Filing Date:**
27 June 2022 (27.06.2022)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
202110748355.9 30 June 2021 (30.06.2021) CN
- (71) **Applicant: GRABTAXI HOLDINGS PTE. LTD.**
[SG/SG]; 3 Media Close, #01-03/06, Singapore 138498 (SG).
- (72) **Inventors: DING, Chunda;** c/o Building 7, No. 5, Anding Road, Chaoyang District, Overseas International Center Floor 7-8, Block A, Beijing 100029 (CN). **HUANG, Xiaocheng;** 9 Straits View, #23-07/12, Marina One West Tower, Singapore 018937 (SG). **QIU, Minbo;** c/o Building 7, No. 5, Anding Road, Chaoyang District, Overseas International Center Floor 7-8, Block A, Beijing 100029 (CN). **ABEYWICKRAMA, Tenindra Nadeeshan;** 2 Sims Drive, #11-09, Singapore 387386 (SG). **LIANG, Chen;** 8 Sims Drive, #13-27, Singapore 387882 (SG).
- (74) **Agent: VIERING, JENTSCHURA & PARTNER LLP;** P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).
- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.
- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

(54) **Title:** METHOD OF ANNOTATING MAP DATA FOR NAVIGATION OF VEHICLES

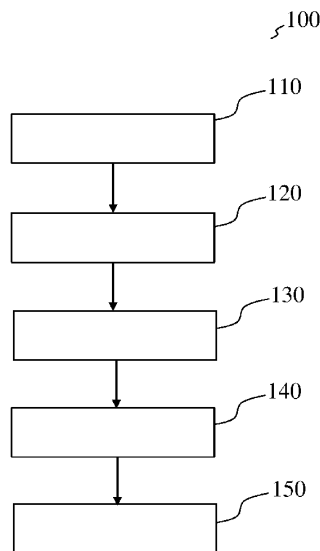


FIG. 1

(57) **Abstract:** A computer implemented method of annotating map data, in particular for navigation of vehicles, the method including: receiving the map data including a graph of a road network including a plurality of vertices and edges; pre-processing the graph to produce a planar graph including a plurality of polygons; grouping the plurality of polygons to form a plurality of geofences, each of the plurality of geofences including a number of POIs which may be within a pre-determined POI range, and each of the plurality of geofences having a road traversal length that may be within a pre-determined length range; storing geofence data of the plurality of geofences in a memory of a computer; and annotating each of the plurality of geofences.

[Continued on next page]

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

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