

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 July 2025 (17.07.2025)



(10) International Publication Number
WO 2025/148029 A1

(51) International Patent Classification:

G06Q 10/04 (2023.01) G06Q 10/0836 (2023.01)
G06Q 10/047 (2023.01) G06Q 50/40 (2024.01)
G06Q 10/08 (2024.01) G08G 1/23 (2006.01)
G06Q 10/083 (2024.01) G08G 1/00 (2006.01)
G06Q 10/0835 (2023.01)

(21) International Application Number:

PCT/CN2024/072088

(22) International Filing Date:

12 January 2024 (12.01.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant: **GRABTAXI HOLDINGS PTE. LTD.**
[SG/SG]; 3 Media Close, #01-03/06 Singapore, 138498 (SG).

(72) Inventors: **XU, Tao**; 1701, 17/F, Building 19, No. 5 Anding Road, Chaoyang District, Beijing 100029 (CN). **WANG, Guanfeng**; 3 Media Close, #01-03/06 Singapore, 138498 (SG).

(74) Agent: **KANGXIN PARTNERS, P.C.**; Floor 16, Tower A, InDo Building A48 Zhichun Road, Haidian District, Beijing 100098 (CN).

(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, CV, 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, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: A COMPUTER-IMPLEMENTED METHOD, AND A SERVER

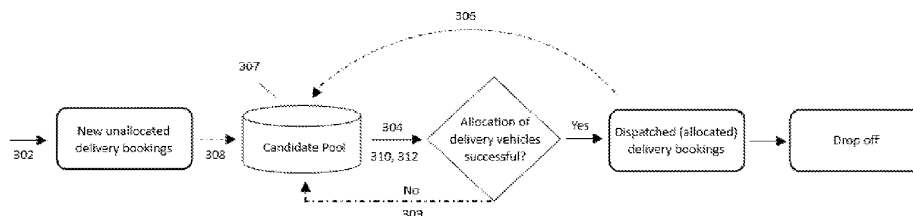


Fig. 3

(57) Abstract: A system (100) comprising: a communication server (102); at least one user communication device (104) having an associated user and configured to initiate an unallocated delivery booking which includes a pick up and drop off location; at least one driver communication device (106) having an associated delivery vehicle and configured to provide delivery vehicle location data; and communication network equipment (108) configured to establish communication with the communications server (102), the at least one user communication device (104), and the at least one driver communication device (106); wherein the communications server (102) comprises at least one processor (s) (116), at least one memory (118), the server (102) being configured, under control of one or more of the at least one processor (s) (116), to execute instructions stored in one or more of the at least one memory (118) to: receive a plurality of delivery bookings; storing data for the received delivery bookings in a candidate pool; determine an allocation of a plurality of delivery vehicles to one or more of the delivery bookings the candidate pool; store data relating to the allocated delivery bookings and unallocated delivery bookings in the candidate pool; redetermine an optimised allocation of delivery vehicles to the allocated delivery bookings and the unallocated delivery bookings in the candidate pool; and dispatch delivery vehicles to the allocated delivery bookings and unallocated delivery bookings according to the redetermination.

WO 2025/148029 A1