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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 September 2021 (30.09.2021)

WIPO | PCT

(10) International Publication Number
WO 2021/194412 A1

(51) International Patent Classification:
G06Q 10/06 (2012.01) *G06Q 50/30* (2012.01)

(21) International Application Number:
PCT/SG2020/050155

(22) International Filing Date:
23 March 2020 (23.03.2020)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **GRABTAXI HOLDINGS PTE. LTD.** [SG/SG]; 6 Shenton Way, #38-01 OUE Downtown, Singapore 068809 (SG).

(72) Inventors: **WIRAWAN, Hendra Teja**; 610 Jurong West St 65, #14-524, Singapore 640610 (SG). **HUANG, Keqi**; #903, Building 28, Anding Road, Dongcheng District, Beijing 100000 (CN). **LIU, Chunlei**; #2405 Build1, Xiu Ju, Yuan, Chao Yang, District, Beijing 100012 (CN). **SANCHETI, Mayank**; 261 River Valley Road, #06-29, Aspen Heights, Singapore 238307 (SG). **NIU, Junpeng**; 33 Ghim Moh Link, #10-308, Singapore 270033 (SG). **REN, Ruochen**; 1141 N 94th ST Unit B, Seattle, Washington 98103 (US).

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

(54) Title: ALLOCATION SYSTEM, ALLOCATION DEVICE AND ALLOCATION METHOD

(57) Abstract: Aspects concern an allocation system (100), comprising a receiving unit (114) configured to receive a delivery order having a cash flow value of cash money and configured to determine cash on hand value of a plurality of delivery drivers (DD), respectively, a subset (132, 134, 136) generator unit (116), communicatively coupled with the receiving unit (114), configured to generate at least a subset (132, 134, 136) of the plurality of delivery drivers (DD) based on the cash flow value of the delivery order and the cash on hand value of each delivery driver (DD); and a transmitter unit (118) configured to transmit the delivery order only to the delivery drivers of the subset (132, 134, 136).

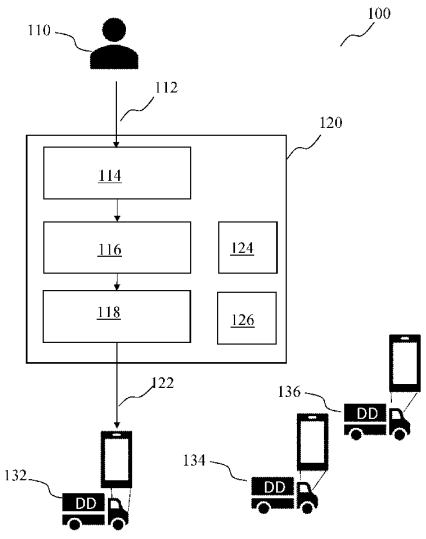

FIG. 1

WO 2021/194412 A1

[Continued on next page]

Published:

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

— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*