



(51) International Patent Classification:

G06Q 50/30 (2012.01) G05D 1/02 (2006.01)
G01C 21/34 (2006.01) G08G 1/127 (2006.01)

(21) International Application Number:

PCT/US2018/048091

(22) International Filing Date:

27 August 2018 (27.08.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/553,240 01 September 2017 (01.09.2017) US
15/794,547 26 October 2017 (26.10.2017) US

(71) Applicant: **UBER TECHNOLOGIES, INC.** [US/US];
1455 Market Street, 4th Floor, San Francisco, California
94103 (US).

(72) Inventors: **NIX, Molly Castle**; c/o Uber Technologies,
Inc., 1455 Market Street, 4th Floor, San Francisco, California
94103 (US). **CHIN, Sean**; c/o Uber Technologies, Inc.,

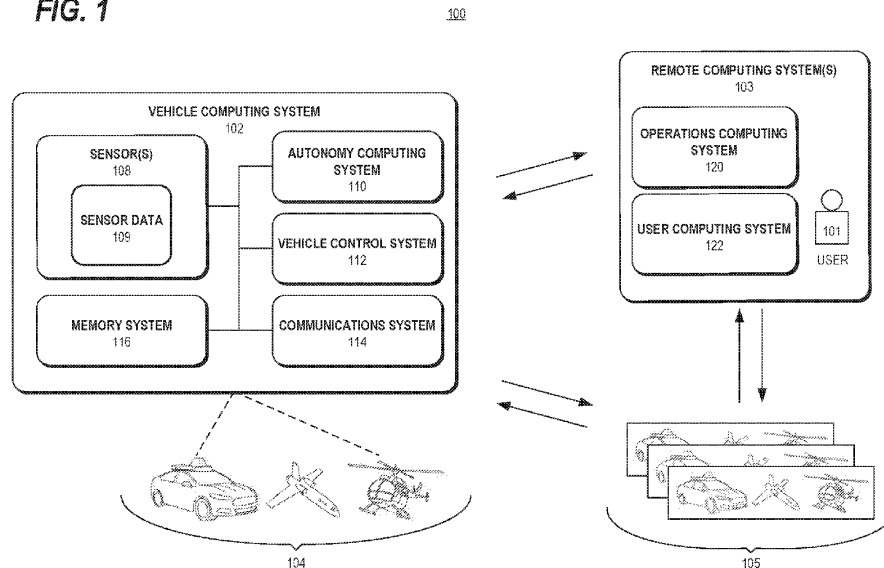
1455 Market Street, 4th Floor, San Francisco, California
94103 (US). **ZHAO, Dennis**; c/o Uber Technologies, Inc.,
1455 Market Street, 4th Floor, San Francisco, California
94103 (US). **MALIKSI, Joseph**; c/o Uber Technologies,
Inc., 1455 Market Street, 4th Floor, San Francisco, California
94103 (US).

(74) Agent: **KRISHNA, Rohit K.** et al.; Dority & Manning,
P.A., P O Box 1449, Greenville, South Carolina 29602
(US).

(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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) Title: SYSTEMS AND METHODS FOR CHANGING A DESTINATION OF AN AUTONOMOUS VEHICLE IN REAL-TIME

FIG. 1



(57) Abstract: Systems and methods for controlling an autonomous vehicle are provided. In one example embodiment, a computer-implemented method includes receiving data representing a first location associated with a service request. The method includes controlling the autonomous vehicle to travel in accordance with a first route that leads to the first location. The method includes determining a second location for the service request when the autonomous vehicle is en route to the first location. The method includes controlling the autonomous vehicle to provide the requested service at the second location.

[Continued on next page]

(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).

Published:

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