

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
29 December 2022 (29.12.2022)



(10) International Publication Number
WO 2022/271733 A1

(51) International Patent Classification:
G06Q 10/08 (2012.01) *G06Q 50/28* (2012.01)

(21) International Application Number:
PCT/US2022/034387

(22) International Filing Date:
21 June 2022 (21.06.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/352,600 21 June 2021 (21.06.2021) US

(71) Applicant: **AIRSPACE TECHNOLOGIES, INC.**
[US/US]; 6005 Hidden Valley Road, Suite 280, Carlsbad,
California 92011 (US).

(72) Inventors: **RUSNAK, Ryan**; 6005 Hidden Valley Road,
Suite 280, Carlsbad, California 92011 (US). **ELLAMARA-
JU, Swarupa**; 6005 Hidden Valley Road, Suite 280, Carls-
bad, California 92011 (US). **CASTELLANOS, Jose**; 6005
Hidden Valley Road, Suite 280, Carlsbad, California 92011
(US).

(74) Agent: **PHERO, Graham C.** et al.; Sterne, Kessler, Gold-
stein & Fox P.L.L.C., 1100 New York Avenue, NW, Wash-
ington, District of Columbia 20005 (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, 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,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(54) Title: PACKAGE TRACKING

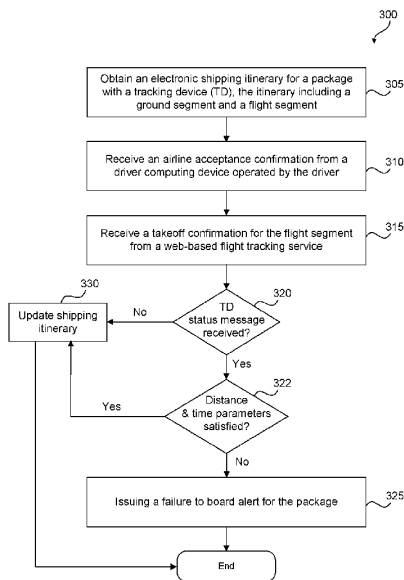


FIG. 3

(57) Abstract: Embodiments are directed towards tracking a package with a tracking device (TD). Embodiments include obtaining a shipping itinerary for the package, receiving a carrier acceptance confirmation indicating the driver has transferred the package to the carrier; receiving a departure confirmation for the segment; receiving, after receiving the departure confirmation, a TD status message including a first location of the package as determined by the TD; and in response to receiving the TD status message after the departure confirmation, issuing a failure to board alert for the package.

WO 2022/271733 A1

[Continued on next page]

Published:

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