

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 August 2023 (17.08.2023)



(10) International Publication Number
WO 2023/154523 A1

(51) International Patent Classification:
G06Q 10/083 (2023.01)

(21) International Application Number:
PCT/US2023/012937

(22) International Filing Date:
13 February 2023 (13.02.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/671,583 14 February 2022 (14.02.2022) US

(71) Applicant: **SHIPIN SYSTEMS INC.** [US/US]; 1643 Beacon Street, Suite 22, Newton, MA 02468 (US).

(72) Inventors: **NASLAVSKY, Ilan**; 1643 Beacon Street, Suite 22, Newton, MA 02468 (US). **PERRY, Osher**; 1643 Beacon

Street, Suite 22, Newton, MA 02468 (US). **COHEN, Moran**; Tzviya Veyitzchak 52/2, 9384056 Jerusalem (IL). **MICHAEL, David, J.**; 105 Pine Ridge Road, Waban, MA 02468 (US).

(74) Agent: **LOGINOV, William, A.**; Loginov & Associates, PLLC, P.O. Box 7100, Sheridan, WY 82801 (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, 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, 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,

(54) Title: SYSTEM AND METHOD FOR FLEET MANAGEMENT AND COMMUNICATION OF VISUAL EVENTS AND COLLABORATION WITH THE SAME

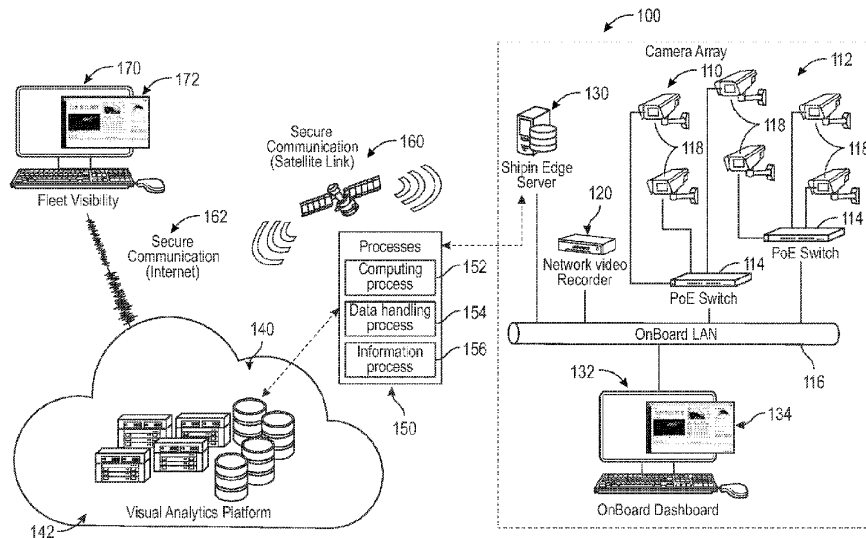


FIG. 1

(57) Abstract: This invention provides a system and method for fleet management, including handling visual events in association with an activity. One or more visual event detector(s) is/are provided, having at least one camera that acquires images of the activity, and a processor that receives the images. A visual event detection process operates to process the images. A queuing process identifies visual events from the visual event detector and stores the visual events. A communications process transmits the stored visual events in a queued format to a remote location. A display that is accessed by users to view visual events, and a collaboration process displays information related to collaboration between permitted users based upon a context of each of the visual events — which can comprise fleet management activities related to at least one of bridge operations, cargo operations, maintenance operations, safety operations, and vetting and security with respect to a vessel.

[Continued on next page]

WO 2023/154523 A1

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, 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))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*