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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 September 2008 (25.09.2008)

PCT

(10) International Publication Number
WO 2008/113578 A1

(51) International Patent Classification:
G06Q 10/00 (2006.01)

(21) International Application Number:
PCT/EP2008/002204

(22) International Filing Date: 19 March 2008 (19.03.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/919,714 22 March 2007 (22.03.2007) US

(71) Applicant *(for all designated States except US)*: **DEUTSCHE POST AG** [DE/DE]; Charles-De-Gaulle-Strasse 20, 53113 Bonn (DE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **JOHNSON, Brian** [US/US]; 14544 N. 156th Lane, Surprise, Arizona 85379 (US).

(74) Agent: **JOSTARNDT PATENTANWALTS-AG**; Brüsseler Ring 51, 52074 Aachen (DE).

(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, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *of inventorship (Rule 4.17(iv))*

Published:
— *with international search report*

(54) Title: MONITORING DEVICE FOR A TRACKING SYSTEM

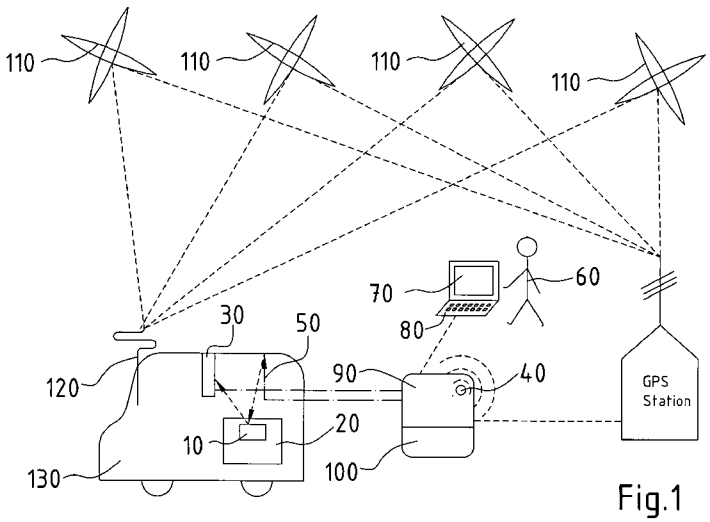


Fig.1

(57) Abstract: The invention relates to a monitoring device for a tracking system adapted for use in at least one vehicle, comprising: a communication circuit adapted for communication with at least one RFID (radio frequency identification) RFID tag on an article to be transported by the vehicle; a PS (position system) circuit adapted for determining a location of the vehicle, a control circuit having a microprocessor and a memory, the control circuit being electrically connected to the communication circuit and the PS circuit; a computer readable program code stored in the memory and executing under control of the microprocessor, the program code having means for acquiring the RFID tag data and the location data in the memory, means for operating the communication circuit to interrogate the RFID tag, means for operating the PS circuit to determine a location of the vehicle, and means for associating the RFID tag data with the location data of the vehicle. The invention also relates to a corresponding tracking system adapted for use in at least one vehicle, comprising at least one RFID (radio frequency identification) tag and a monitoring device.

WO 2008/113578 A1