

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 November 2011 (17.11.2011)

(10) International Publication Number
WO 2011/141861 A4

- (51) International Patent Classification:
G06K 9/00 (2006.01)
- (21) International Application Number:
PCT/IB2011/052024
- (22) International Filing Date:
8 May 2011 (08.05.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/332,822 10 May 2010 (10.05.2010) US
- (71) Applicant (for all designated States except US): **PARK ASSIST LLC.** [US/US]; 575 8th Ave, Suite #1914, New York, NY 10018 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **COHEN, Daniel** [US/US]; 100 Jay St #8G, Brooklyn, NY 11201 (US). **JOFFE, Richard** [US/US]; 269 West 72nd St., Apt 2, New York, NY 10036 (US). **CASPE, Bob** [US/US]; 21 Hunting Lane, Sherborn, MA 01770 (US). **ISAKSEN, Aaron** [US/US]; 49 North 8th St. #TNB, Brooklyn, NY 11211 (US). **GOODMAN, Ilan** [US/US]; 137 West 95th St., Apt BR, New York, NY 10025 (US). **YAMEY, Ian** [US/US]; 2 Milligan Place, Apt 2, New York, NY 10011 (US). **KLEVANSKY, Michael** [US/US]; 2 Milligan Place, Apt 2, New York, NY 10011 (US). **CRAWFORD, Andrew** [IE/IE]; 24, The Paddocks c/o Kildare, Naas (IE). **PROKOPENKO, Konstantyn** [US/US]; 40 Shore

Blvd #6D, Brooklyn, NY 11235 (US). **HARTMAN, Steven** [US/US]; 42 Wheatfield Lane, Commack, NY 11725 (US). **RAMONDOU, Aurelien** [US/US]; 253 East 78th St., Apt 24, New York, NY 10075 (US). **KUDAS, Mark** [US/US]; 2737 27th St. #3G, Astoria, NY 11102 (US). **CURA, Ezequiel** [US/US]; 150 Claremont Ave., Apt 3A, New York, NY 10027 (US).

(74) Agent: **DR. MARK FRIEDMAN LTD.**; Moshe Aviv Tower, 54th Floor, 7 Jabotinsky Street, Ramat Gan 52520 (IL).

(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, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR MANAGING A PARKING LOT BASED ON INTELLIGENT IMAGING

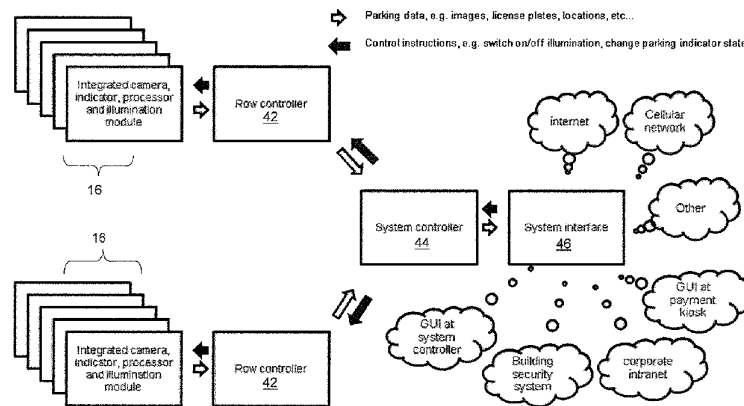


FIGURE 2

(57) Abstract: To manage a plurality of parking spaces, one or more images are acquired, with each parking space appearing in at least one image. Periodically acquired images of occupancy and identity are used in directing a customer to a parked vehicle. Periodically acquired images of just occupancy are used in controlling respective environmental aspects, such as illumination and ventilation, of the parking spaces. For these purposes, the images are classified automatically as "vacant" or "occupied", and are displayed along with their classifications so that the classifications can be corrected manually.

WO 2011/141861 A4