

CORRECTED VERSION

(19) World Intellectual Property Organization  
International Bureau



(10) International Publication Number  
**WO 2017/011902 A8**

(43) International Publication Date  
26 January 2017 (26.01.2017)

- (51) International Patent Classification:  
*G06Q 10/10* (2012.01) *H04W 4/04* (2009.01)
- (21) International Application Number:  
PCT/CA2016/050835
- (22) International Filing Date:  
15 July 2016 (15.07.2016)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
14/803,530 20 July 2015 (20.07.2015) US
- (71) Applicant: **BLACKBERRY LIMITED** [CA/CA]; 2200 University Avenue East, Waterloo, Ontario N2K 0A7 (CA).
- (72) Inventors: **JAMPANI, Krishnam Raju**; 30 Charles Street West, Unit 2110, Toronto, Ontario M4Y 1R5 (CA). **MARTIN, Daryl Joseph**; 2200 University Avenue East, Ext. 73946, Waterloo, N2K 0A7 (CA). **TSAL, I-Ming**; 5-420 Erb Street West, Waterloo, Ontario N2L 6K6 (CA).

**BECKETT, Jason Christopher**; 55 Country Clair St, Kitchener, Ontario N2A 4M7 (CA).

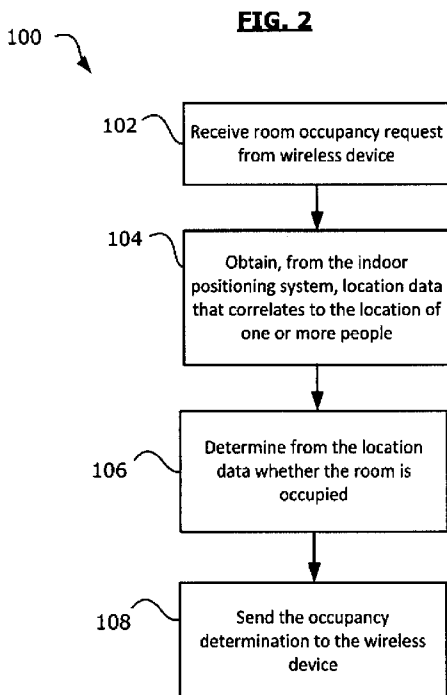
(74) Agent: **ROWAND LLP**; Suite 900 - 357 Bay St., Toronto, Ontario M5H2T7 (CA).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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.

(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,

[Continued on next page]

(54) Title: INDOOR POSITIONING SYSTEMS AND MEETING ROOM OCCUPANCY



(57) Abstract: A method of determining room occupancy of a room in a facility having an indoor positioning system with wireless access point fingerprints each correlated to a location in the facility. The method may include receiving a request from a computing device for a room occupancy assessment associated with the room. It may further include obtaining location data that correlates to the location of one or more people from the indoor positioning system and determining from the location data associated with the room whether the room is occupied. The determination of whether the room is occupied is then sent to the computing device.

WO 2017/011902 A8



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).

**(48) Date of publication of this corrected version:**

2 March 2017

**(15) Information about Correction:**

see Notice of 2 March 2017

**Published:**

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