

Title (en)

Providing city services using mobile devices and a sensor network

Title (de)

Bereitstellung von Stadtdiensten mit Mobilgeräten und einem Sensornetz

Title (fr)

Fourniture de services de ville utilisant des dispositifs mobiles et réseau de capteurs

Publication

**EP 2372627 A3 20111012 (EN)**

Application

**EP 11160747 A 20110331**

Priority

- US 32023710 P 20100401
- US 76307710 A 20100419

Abstract (en)

[origin: EP2372627A2] Apparatus and methods related providing city services, such as parking, are described. A mobile device can be configured to receive information from local sensor nodes, such as parking sensor nodes, in the vicinity of the mobile device. In a parking application, the mobile device located in a moving vehicle can be configured to locate available parking based upon the information received from the parking sensor nodes. In other embodiments, the mobile device can be utilized in a retail establishment in conjunction with a remote server to display eye-level image data taken at various locations throughout the retail establishment. The eye-level image data can include products displayed throughout the retail establishment and can be augmented with one or more indicators that indicate product placement locations associated with the products.

IPC 8 full level

**G06Q 10/08** (2012.01); **G08G 1/14** (2006.01)

CPC (source: EP)

**G06Q 10/087** (2013.01); **G08G 1/14** (2013.01)

Citation (search report)

- [I] WO 2009154787 A2 20091223 - FIORUCCI JEAN-LOUIS [FR], et al
- [I] US 2008136674 A1 20080612 - JANG BYUNG TAE [KR], et al
- [I] US 2004252034 A1 20041216 - SLEMMER JOHN BLAKE [US], et al
- [I] WO 2008060016 A1 20080522 - SAMSUNG SDS CO LTD [KR], et al
- [I] US 6285297 B1 20010904 - BALL JAY H [US]

Cited by

DE102016223180A1; DE102016223106A1; CN107845289A; DE102015204853A1; ES2525963A1; EP2922030A1; GB2564997A; ITUA20162870A1; CN103680201A; CN106846891A; CN110556013A; EP4071594A1; US2017011429A1; US11062344B2; EP4071726A1; ES2524735A1; EP3142092A4; US2016110701A1; US10810648B2; US11671542B2; US11157746B2; US9984463B2; CN103646308A; EP2911041A1; US2015235398A1; CN104848863A; US9639968B2; WO2017187251A1; WO2016053072A1; WO2015124816A1; WO2014058288A1; US11080530B2; US11170409B2; US11270348B2; WO2016124805A1; WO2018009324A1; US10861051B2; US11188947B2; US11227311B2; US11244355B2; US10373190B2; US10373189B2; US10410238B2; US10410240B2; US10713681B2; US11042894B2; US11062345B2; US11074606B2; US11080744B2; US11507973B2; US11675547B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2372627 A2 20111005; EP 2372627 A3 20111012**

DOCDB simple family (application)

**EP 11160747 A 20110331**