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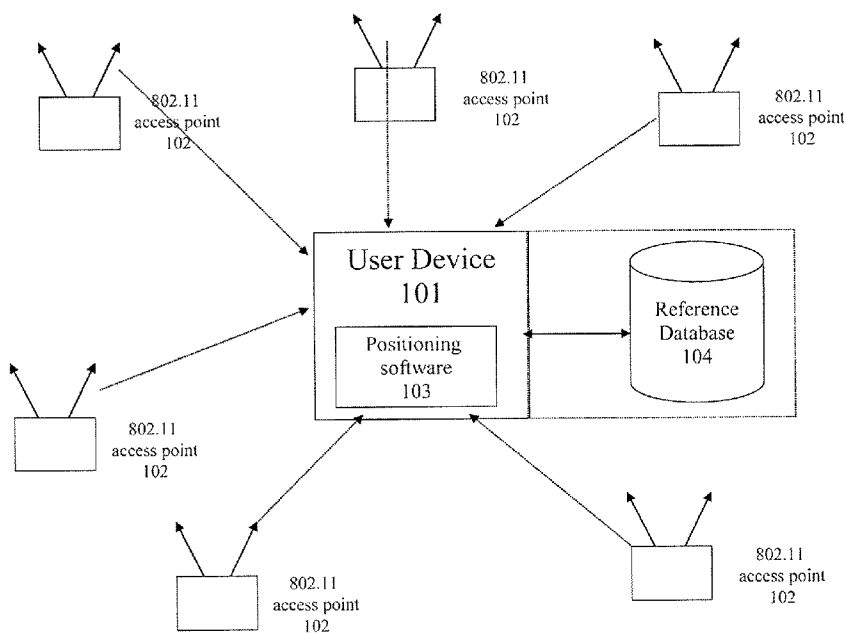
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(54) Title: SYSTEM AND METHOD FOR ESTIMATING POSITIONING ERROR WITHIN A WLAN-BASED POSITIONING SYSTEM



(57) Abstract: The invention features a method of estimating an expected error of a position estimate for use in a WLAN positioning system that estimates the position of a WLAN-enabled device. The WLAN-enabled device receives signals transmitted by a WLAN access point in range of the WLAN-enabled device. The method estimates the position of the WLAN-enabled device based on the received signals from the WLAN access point in range of the WLAN enabled device. The method also estimates an expected error of the position estimate based on characteristics of the WLAN access point in range of the WLAN enabled device, wherein the expected error predicts a relative accuracy of the position estimate.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04Q 7/20 (2008.01)

USPC - 455/456.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
USPC: 455/456.1Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 455/456.1 (search term limited)Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST (DB=USPAT, USPGPB, EPAB, JPAB); Google search, terms including: WLAN, wireless, network, error, position estimate, range, coverage, gps, geographic, accuracy, access point, remote device, signal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 2006/0197704 A1 (LUZZATTO et al.) 07 September 2006 (07.09.2006) para [0040]-[0072].	1-4, 6-10, 12-16, 18-22
Y		5, 11, 17
Y	US 2005/0192024 A1 (SHEYNBLAT) 01 September 2005 (01.09.2005) para [0082].	5, 11
Y	US 2006/0009235 A1 (SHEYNBLAT et al.) 12 January 2006 (12.01.2006) para [0061].	17

 Further documents are listed in the continuation of Box C.

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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