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[Continued on next page]

(54) Title: TWO STAGE MOBILE DEVICE GEOGRAPHIC LOCATION DETERMINATION

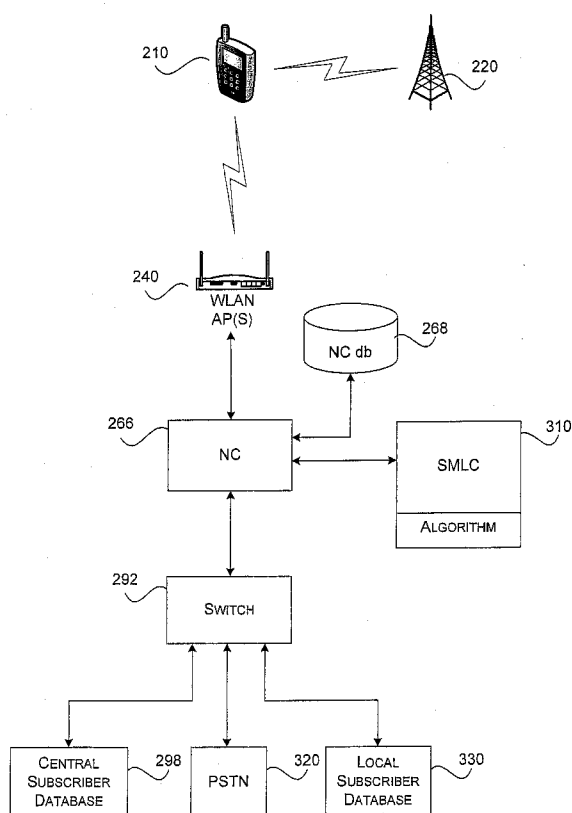


Fig. 3

(57) Abstract: A system and method for mitigating the delay associated with using GPS technologies to determine the location of a mobile device. The system utilizes a two-stage location determination process. During the first stage, an estimated position of the mobile device is immediately provided based on the most accurate stored location information that is available to the system. If greater accuracy is still required, during the second stage a more accurate position of the mobile device is provided using GPS-based technologies.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01S 1/08 (2008.01)

USPC - 342/386

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: 342/386

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC: 342/386

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB); Google Scholar

Search Terms: location, position, geographic, determine, calculate, stage, GPS, IP, MAC, references, mobile, cellular, access, store, save

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0203853 A1 (Sheynblat) 14 October 2004 (14.10.2004), para [0005], [0011], [0012], [0014], [0016], [0023], [0030], [0031], [0084], [0085]	1, 2, 4-9, 13-16, 19, 20
Y		3, 10, 11, 12, 17, 18
Y	US 2005/0138144 A1 (Sethi) 23 June 2005 (23.06.2005), para [0021]	3, 10, 11, 17, 18
Y	US 2004/0102196 A1 (Weckstrom et al.) 27 May 2004 (27.05.2004), para [0002]	12
A	US 2005/0192024 A1 (Sheynblat) 01 September 2005 (01.09.2005), entire document	1-20
A	US 2006/0014548 A1 (Bolin et al.) 19 January 2006 (19.01.2006), entire document	1-20

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