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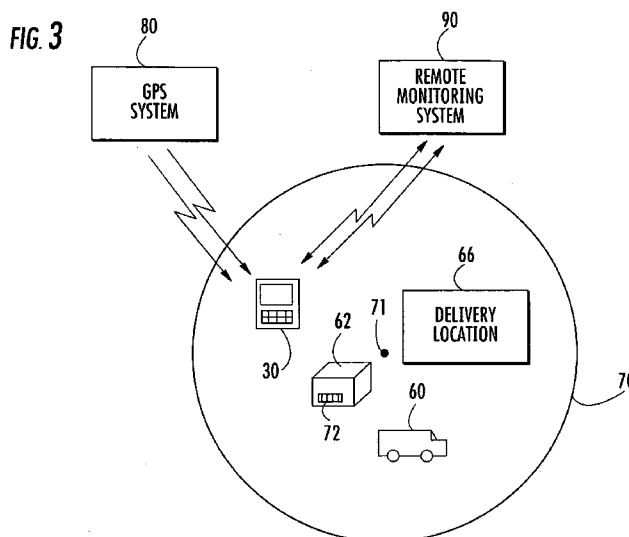
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[Continued on next page]

(54) Title: SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR GENERATING REFERENCE GEOCODES FOR POINT ADDRESSES



(57) Abstract: Systems and methods are provided for generating a reference location data set, such as a reference longitude and latitude point, for each of a plurality of point addresses. A reference location data set can be determined for a point address based on prior geocode samples, such as GPS readings, that have been obtained using a portable computing device during a prior delivery to or pickup from the point address. A location data service collects such geocode samples and processes the samples to generate a reference location data set, such as a reference longitude and latitude and a zone of confidence around the reference longitude and latitude, for each unique point address. To determine whether an item is being delivered to a wrong address, current location data obtained during a delivery can be compared against the reference location data generated by the location data service for the delivery address.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01C 21/00 (2008.04)

USPC - 700/226

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 700/226Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC 700/112,125 701/207 705/22,28

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

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

Search Terms: geocode, point address, GPS, delivery and pickup, latitude and longitude

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0114206 A1 (Timothy et al.) 19 June 2003 (19.06.2003), entire document especially para [0003], [0007], [0011], [0023], [0034] [0035], [0049]-[0050], [0072], [0083], [0084], [0086], [0098], [0100], [0101], [0104], [0105], [0107], [0108], [0109], [0112], [0113].	1-54
A	US 7,076,505 B2 (Campbell) 11 July 2006 (11.07.2006), entire document.	1-54
A	US 2004/0139049 A1 (Haycock et al.) 15 July 2004 (15.07.2004), entire document.	1-54

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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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