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(54) **Title:** METHODS, SYSTEMS OR COMPUTER PROGRAMS FOR LOGISTIC PLANNING BASED ON PROXIMITY CONSTRAINTS AND/OR PRICE OPTIMIZATION

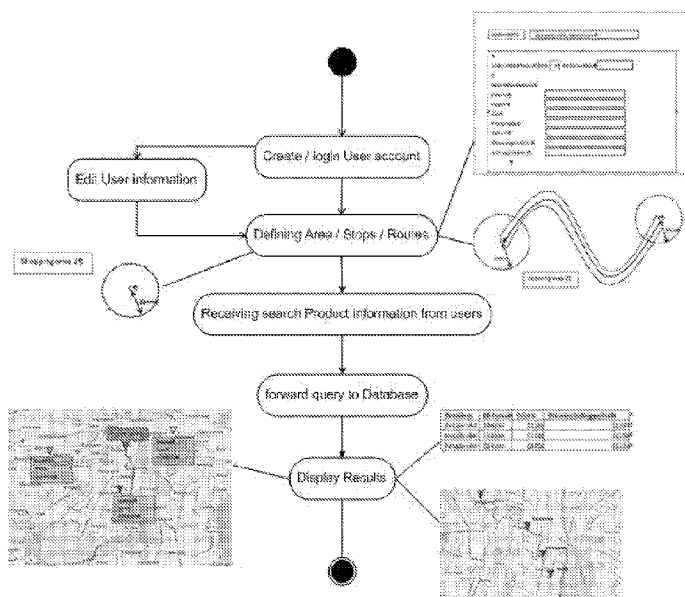


Figure 8

(57) **Abstract:** The present invention provides an electronic device for determining a route comprising: a geographic information system wherein the geographic information system is adapted to detect location information of the device; a user interface for accepting input from a user and displaying output to a user, and a central processing unit adapted to control the data flow to and from the user interface, geographic information system, through a data network; wherein the user interface is adapted to accept a list of items, and displaying the route thereon; the geographic information system is adapted to retrieve location information of one or more eligible areas or eligible routes; the central processing unit is adapted to send the geographic information and the list of product information to a central server, and to receive a routing results from a central server, wherein the central server comprises a item availability register and hosts a database containing information of vendors who has populated products and vendors information in the database; wherein the central server calculate the routing results.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2013/000736

A. CLASSIFICATION OF SUBJECT MATTER

G06Q 30/00 (2012.01)

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)

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

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

WPI, EPODOC, Google, Google Patents and Patent lens: Keywords (calculate, route, vendor and like terms)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Documents are listed in the continuation of Box C	



Further documents are listed in the continuation of Box C



See patent family annex

* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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INTERNATIONAL SEARCH REPORT Information on patent family members		International application No. PCT/AU2013/000736	
This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.			
Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
US 2007/0288497 A1	13 Dec 2007	US 8285696 B2	09 Oct 2012
		US 2013024284 A1	24 Jan 2013
US 2006/0265294 A1	23 Nov 2006	None	
End of Annex			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. Form PCT/ISA/210 (Family Annex)(July 2009)			