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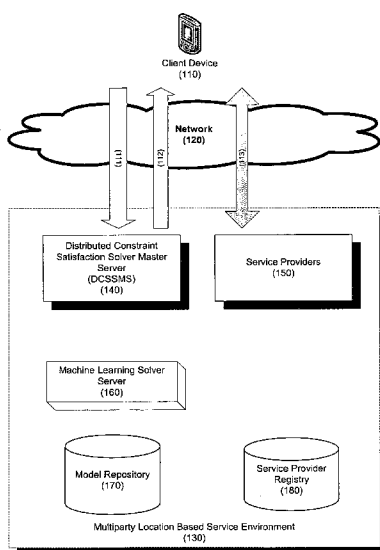


Figure 1

(57) Abstract: A computer system implements a method to provide secure multiparty location based services. A user input is received from a user device of a user. The user input contains user location information. Based on the location information, a model is retrieved. The model is a constraint satisfaction problem defined by a set of variables and mapping functions. The set of variables and mapping functions are into multiple shares. Each share is distributed to one of agents in finding a solution to the constraint satisfaction problem. Once a solution is computed, a demographic profile is predicted based on the solution. The solution does not contain the user location information.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/009003**A. CLASSIFICATION OF SUBJECT MATTER****G06F 17/00(2006.01)i, G06F 15/18(2006.01)i**

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)

IPC8: G06F 17/00; G06Q 20/00; G06Q 40/00; H04N 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models since 1975.
Japanese utility models and applications for utility models since 1975.Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
e-KIPASS(KIPO internal) "user location, demographic, geometric, fuzzy, bayesian, machine learning algorithm"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2007-064446 A1 (MICROSOFT CORPORATION) 07 JUNE 2007 SEE THE ABSTRACT; CLAIMS 1-20; PARAGRAPH [0043]; FIGURES 1-6	1-22
Y	JP 2004-302763 A (FUJI PHOTO FILM CO LTD) 28 OCTOBER 2004 SEE THE ABSTRACT; CLAIMS 1-4; FIGURES 1-4	1-22
A	US 2003-0145323 A1 (HENDRICKS, J.S. et al.) 31 JULY 2003 SEE THE ABSTRACT; CLAIMS 1-41; FIGURE 2	1-22
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A	KR 10-2004-0090342 A (KT CORPORATION) 22 OCTOBER 2004 SEE THE ABSTRACT; CLAIMS 1-9; FIGURES 1-2	1-22

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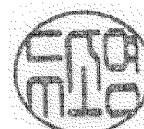
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Information on patent family members

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