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(54) Title: SYSTEM, METHOD AND APPARATUS FOR DYNAMIC WIRELESS NETWORK DISCOVERY

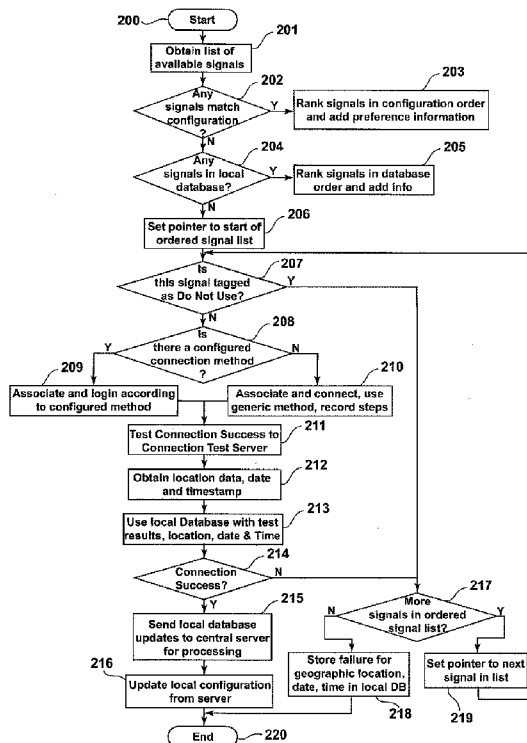


FIGURE 2

(57) Abstract: A dynamic wireless network discovery system, apparatus and method are provided for users of wireless device to find, connect to, and use wireless networks in an automated manner. New gained knowledge about a wireless network is shared with a central server, which in turn aggregates knowledge about wireless networks collected from various wireless devices, and takes all this aggregated knowledge and reduces the individual data points to aggregate data that provides valuable information about the status of the networks. The central server then in turn distributes this information to a software client operating on wireless devices. Dynamically learned wireless network information is shared from one wireless device with other wireless devices through the distributed intelligence network, either through the central server or by communicating with other wireless devices, providing group-based intelligence about wireless networks to other wireless devices. Devices may further dynamically discover wireless networks that should not be used.



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INTERNATIONAL SEARCH REPORT

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PCT/US2012/020676**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 48/16(2009.01)i, H04W 48/18(2009.01)i, H04W 24/00(2009.01)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)

H04W 48/16; H04W 36/00

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: phone, mobile, wireless, cellular, portable, terminal, neighbor, close, vicinit, proxim, discover

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0171881 A1 (TAO ZHANG et al.) 26 July 2007 See paragraphs [0064], [0072], [0073]; fig. 1.	1-23
A	US 2010-0165947 A1 (TANIUCHI KENICHI et al.) 01 July 2010 See paragraphs [0064], [0072], [0073]; fig. 1.	1-23

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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