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(54) **Title:** INTEGRATING POSITION-DETERMINING AND WI-FI FUNCTIONS

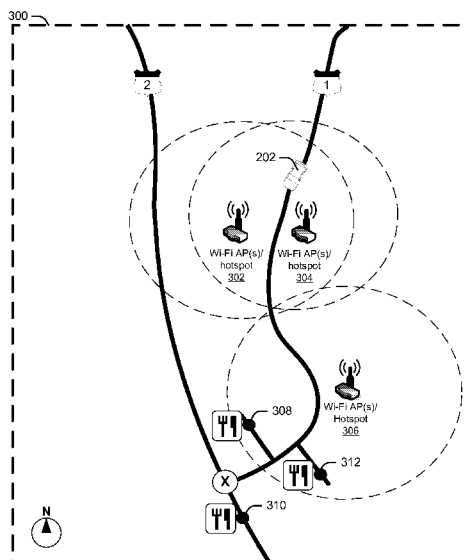


Fig. 3

(57) **Abstract:** Techniques are described for leveraging position-determining functions and Wi-Fi functions on a device by integrating these functions. In one or more implementations, Wi-Fi data is provided on an electronic device configured with Wi-Fi and position-determining functionality. This Wi-Fi data is then used to facilitate the device accessing a Wi-Fi network available within a geographical region associated with the device. In at least some implementations, the facilitating is associated with identifying and/or selecting one or more potential Wi-Fi networks to access by integrating the Wi-Fi data with received positioning data and map data on the device. In at least some embodiments, the facilitating is associated with communicatively linking to a selected Wi-Fi network.

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A. CLASSIFICATION OF SUBJECT MATTER***H04W 64/00(2009.01)i, H04W 8/08(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)

IPC H04Q, H04B, H04L

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)

eKIPASS(KIPO internal) & keywords: "location, position", "Wi-Fi, wireless lan, WLAN", "map", "geograp*"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2004-0147254 A1 (GAUTAM G. REDDY et al.) 29 July 2004 See the abstract; claim 1; paragraphs [0012,0019,0041,0045,0046]; and figure 3.	1-3, 6-8, 10, 14, 16 9, 17-19 4-5, 11-13, 15
Y A	US 2007-0167174 A1 (MICHAEL AUSTINE HALCROW et al.) 19 July 2007 See the abstract; claim 1; paragraphs [0075,0087]; and figures 4B,6B,6C.	9,17-19 1-8, 10-16
A	KR 10-2004-0069574 A (KIM, HEE YOUNG) 06 August 2004 See the abstract; claims 1-4; and figure 6.	1-19
A	US 2005-0037775 A1 (MARK MOEGLEIN et al.) 17 February 2005 See the abstract; claim 1; and figure 6.	1-19

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

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