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(54) **LOCATION-BASED CACHING FOR MOBILE DEVICES**

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(58) **Field of Classification Search** 701/207, 701/211, 200; 340/995.12, 995.17, 995.18; 711/3, 100, E12.04, E12.051
See application file for complete search history.

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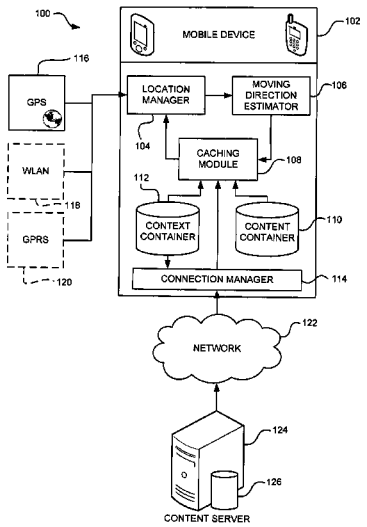
(57) **ABSTRACT**

A location-based caching system provides the ability for a mobile communication device to dynamically provide content related to a user's location. Content may comprise a series of map segments that anticipate the route traveled by a user of the mobile device. Other related content may also be provided, for example, point of interest information related to the route traveled. The system tracks a present location of the mobile device and predicts a future location of the mobile device. Based upon the prediction of future location, the caching module determines whether content related to the future location is presently stored on the mobile device. If appropriate content is not on the mobile device, the caching module retrieves the content from a content server via a network connection. The content information nay be contextually selected based upon, for example, user preferences, movement information, and device state information.

19 Claims, 9 Drawing Sheets