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(54) **URBAN MOBILE NETWORK SYSTEM**

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(57) **ABSTRACT**

An embodiment of a mobile communication system includes a plurality of mobile units operating within a defined operating area, each of the mobile units having a processor, a memory for storing a mobile unit file structure, an application running on the processor for operating on the mobile unit file structure, and a receiver for receiving on a common receive communication channel data. The mobile communication system further includes a plurality of geolocation markers disposed within the defined operating area, each having a memory for storing geolocation information to define a relative position within the defined operating area, and a geolocation transmitter for transmitting the defined geolocation information on the common receive communication channel, the geolocation transmitter having a geolocation transmit range less than the defined operating area.