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(54) Title: METHOD AND SYSTEM FOR PROVIDING ENHANCED LOCATION BASED INFORMATION FOR WIRELESS
HANDSETS

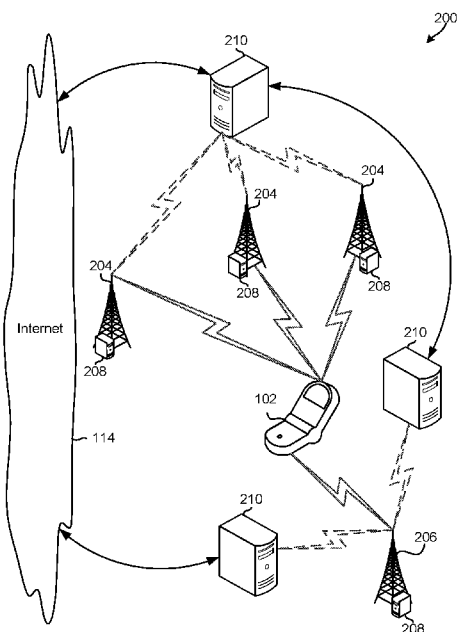


FIG. 2

(57) Abstract: Methods, devices and systems for generating enhanced loca-
tion information on or about a mobile device may include hybrid lateration
and trilateration solutions in which the mobile device performs location de-
termination calculations with the aid of network components or global posi-
tioning systems (GPS). Mobile devices may automatically form groups based
on proximity and/or may be grouped together via a network server. Mobile
devices in a group may share computed location information and/or informa-
tion collected from internal sensors with other grouped mobile devices. In-
formation shared between grouped mobile devices may be used to enhance
the location information computed on each mobile device. For example, each
mobile device may supplement and/or augment previously computed location
information based on the received location information and/or relative posi-
tions of other mobile devices in the same group. Each mobile device may
also utilize local sensors to further enhance their location information.



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