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(54) WIRELESS MULTIMEDIA HANDSET

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(57) ABSTRACT

A wireless multimedia handset can include one or more of wireless system support, a platform to handset features, and multiple features. The multiple features may include, by way of example but not limitation, multiple-antennae, multimedia storage with advanced search capability, a high fidelity sound system, peer-to-peer networking capability, seamless handoff capability, instant hotspot capability, and ultra low power operation such that the handset is capable of operation without recharging by operating solely on solar cells.

100 ---

Peer-to-Peer Networking and Handoff Engine 102

User Interface
104

Control Pad or Thumbwheel
124

Audio I/O
126

Display
128

Applications 106

Audio Subsystem
110

Microphone Array Processing
130

Speech Recognition
132

Noise Cancellation
134

134 MP3 136

VoiP Module <u>112</u> GPS AM/FM/XM radio Module 114

GSM/EDGE/3G and/or Wimax Module 116

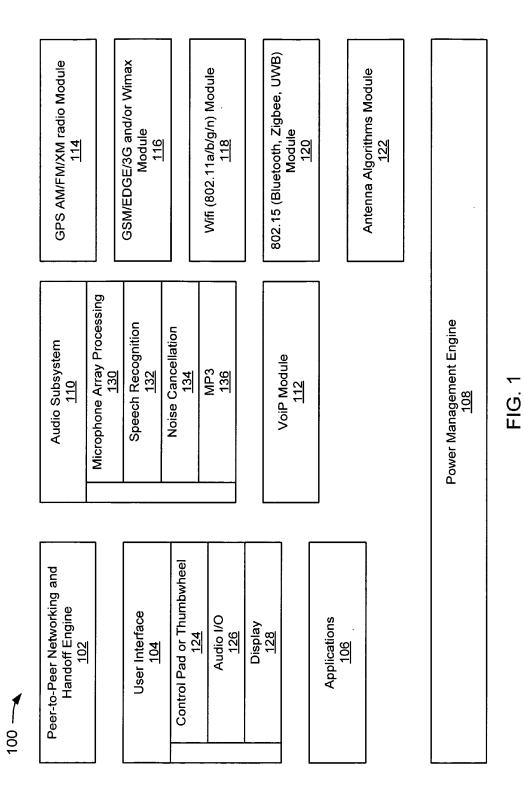
Wifi (802.11a/b/g/n) Module 118

802.15 (Bluetooth, Zigbee, UWB) Module 120

Antenna Algorithms Module 122

Power Management Engine





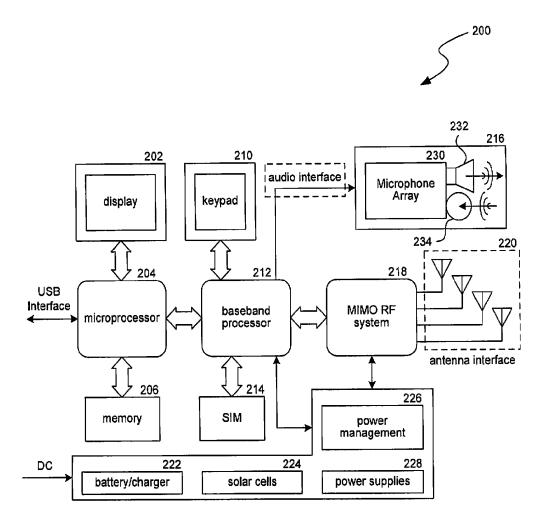


FIG. 2

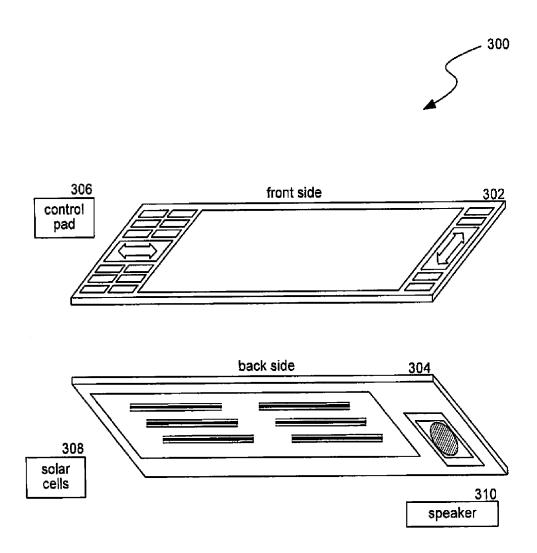


FIG. 3



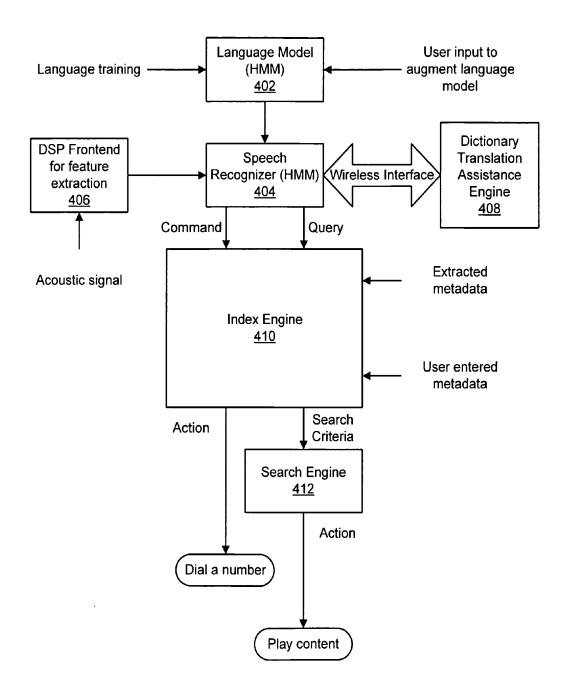


FIG. 4

DOCKET

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