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(54) HIGH FIDELITY MULTIMEDIA WIRELESS HEADSET

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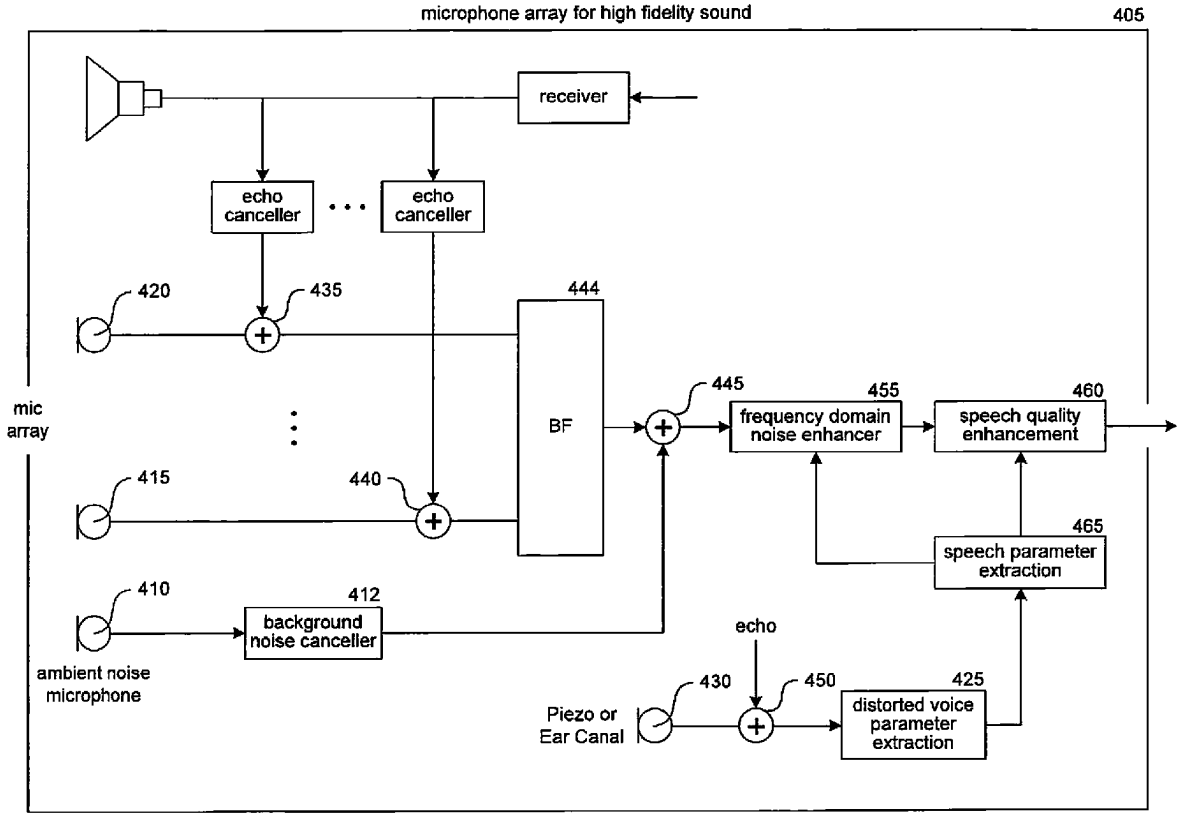
(52) **U.S. Cl.** **381/74**; 381/367

(57) **ABSTRACT**

The invention provides a multiple-antenna wireless multimedia headset with high fidelity sound, peer-to-peer networking capability, seamless handoff between multiple wireless interfaces, multimedia storage with advanced search capability, and ultra low power such that the device is capable of operation without recharging. The headset supports multiple wireless systems such as Wifi (802.11a/b/g/n), Wimax, 3G cellular, 2G cellular, GSM-EDGE, radio (e.g. AM/FM/XM), 802.15 (Bluetooth, UWB, and Zigbee) and GPS. The headset also provides a platform such that applications can access the high fidelity sound system, the speech recognition engine, the microprocessor, and the wireless systems on the device.



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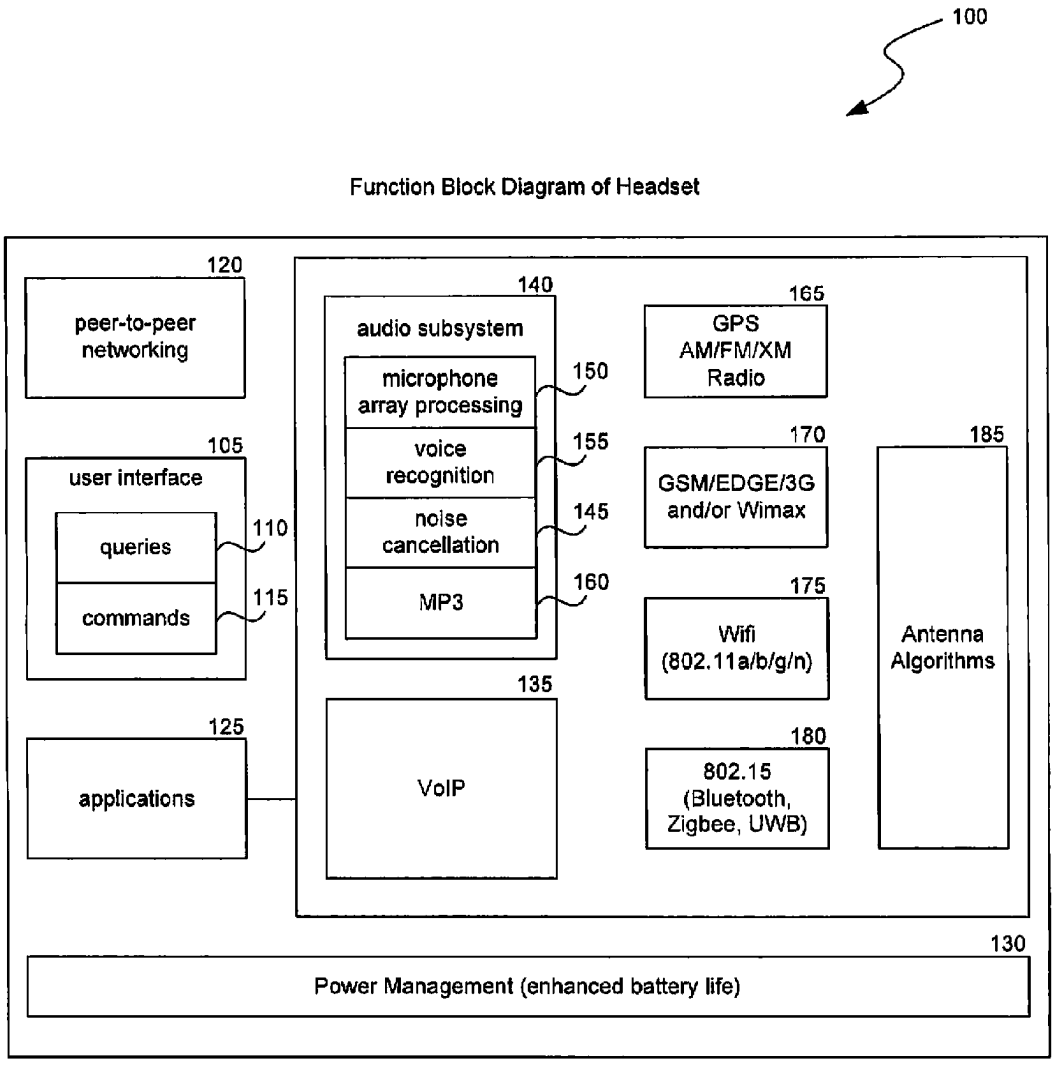

FIG. 1

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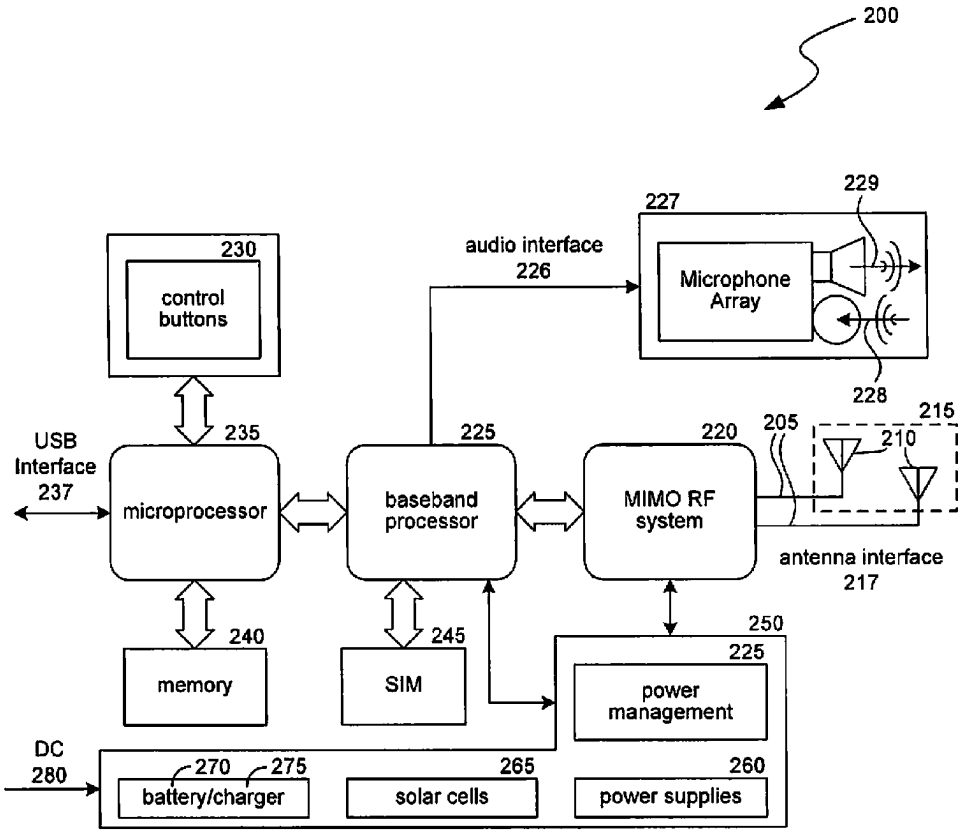

FIG. 2

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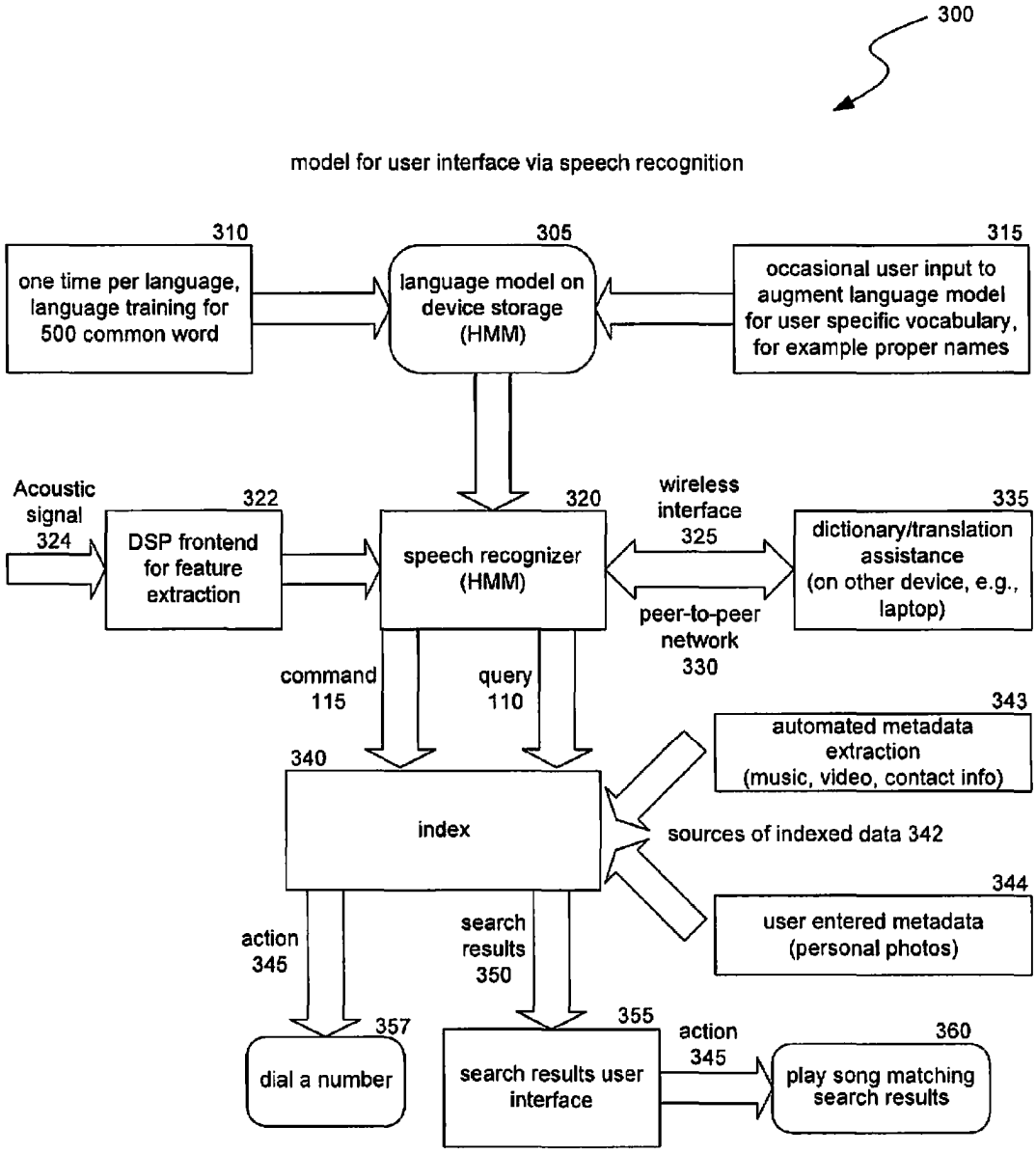

FIG. 3

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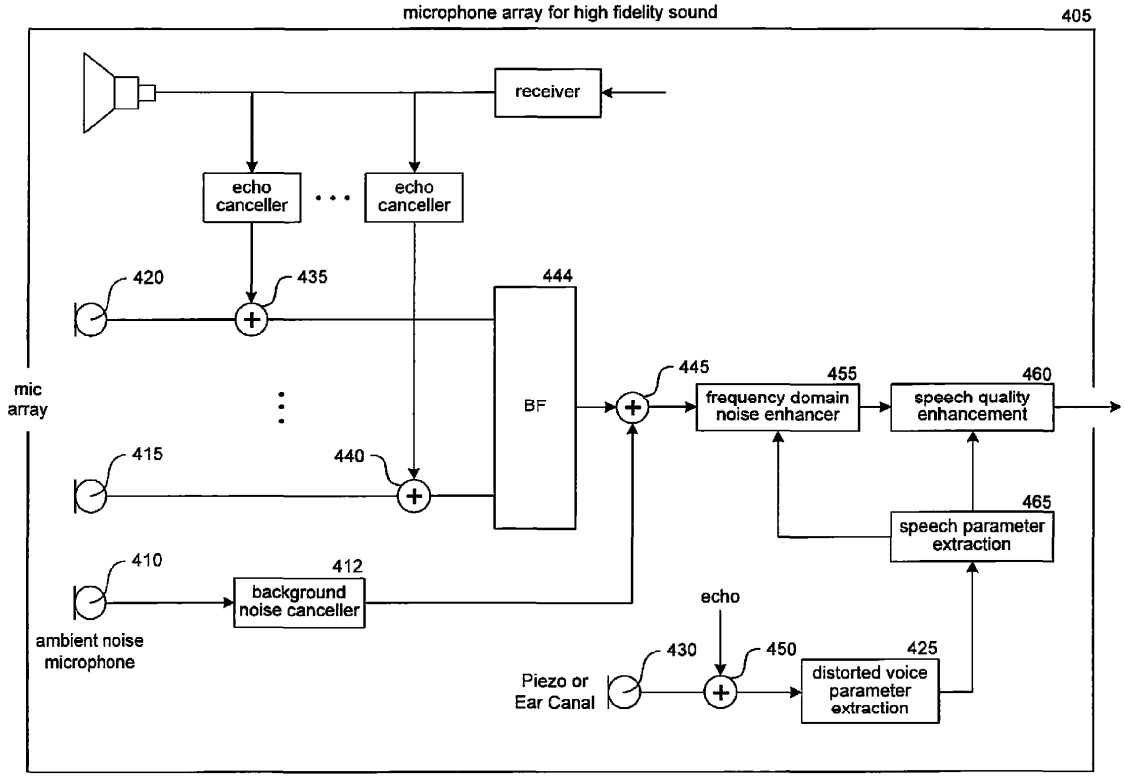

FIG. 4

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