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Sutardja

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(54) **DISPLAY CONTROL FOR CELLULAR PHONE**

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(51) **Int. Cl.**
H04M 1/00 (2006.01)
H04B 1/00 (2006.01)

(52) **U.S. Cl.** **455/574**; 455/127.5; 455/343.1

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See application file for complete search history.

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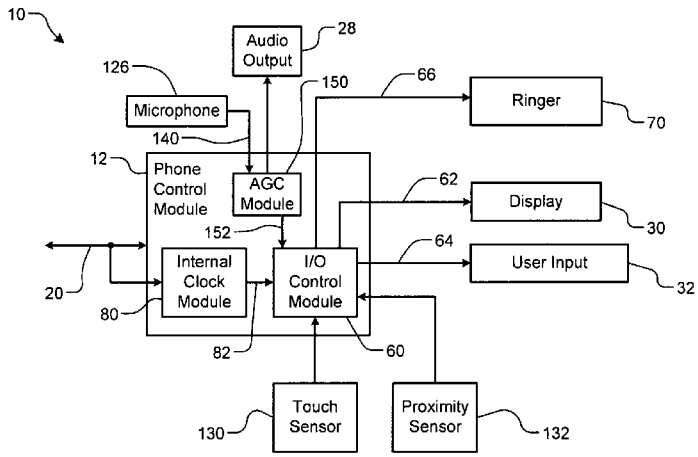
(57) **ABSTRACT**

A control system for a mobile device comprises an audio input that generates an audio input signal. An audio amplifier amplifies the audio input signal using a gain. An adaptive gain control (AGC) module receives the audio input signal and adjusts the gain of the audio input signal. A comparing module generates a first signal when the gain is less than a threshold. A timing module determines a duration of the first signal. A selecting module communicates with the timing module and selects one of an active mode and an inactive mode of the mobile device when the duration is greater than a first period.

20 Claims, 9 Drawing Sheets