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A Redesigned Alarm Clock using Integrated R.E.M. Interrupt Device

by
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April 27, 2007

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Abstract

Currently on the market, the existing alarm clocks have only two audio outputs. A few alarm clocks on the market are of high cost, but might only have an additional CD ROM used for an audio output. There were no alarm clocks found that have four audio outputs, two separate alarms, a large display, and a blinking display, however; an alarm clock that was just described has been designed and created. The recreation of an existing alarm clock will need the following features:

- Large six inch display
- Blinking display when alarm goes off
- CD-ROM player
- Alternating tone alarm
- FM radio
- Digital sound recorder
- Easy and understanding buttons
- Battery Backup

The new alarm clock will consists of a power supply with 5-volts and 12-volts DC power and battery backup. Six-inch LED display simulating a common anode 7-segment display. Four audio outputs for the users listening pleasure.

A new design to the alarm clock can be designed and created. This new alarm clock will help people wake up from their sleep, and help them get ready for a new day.

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