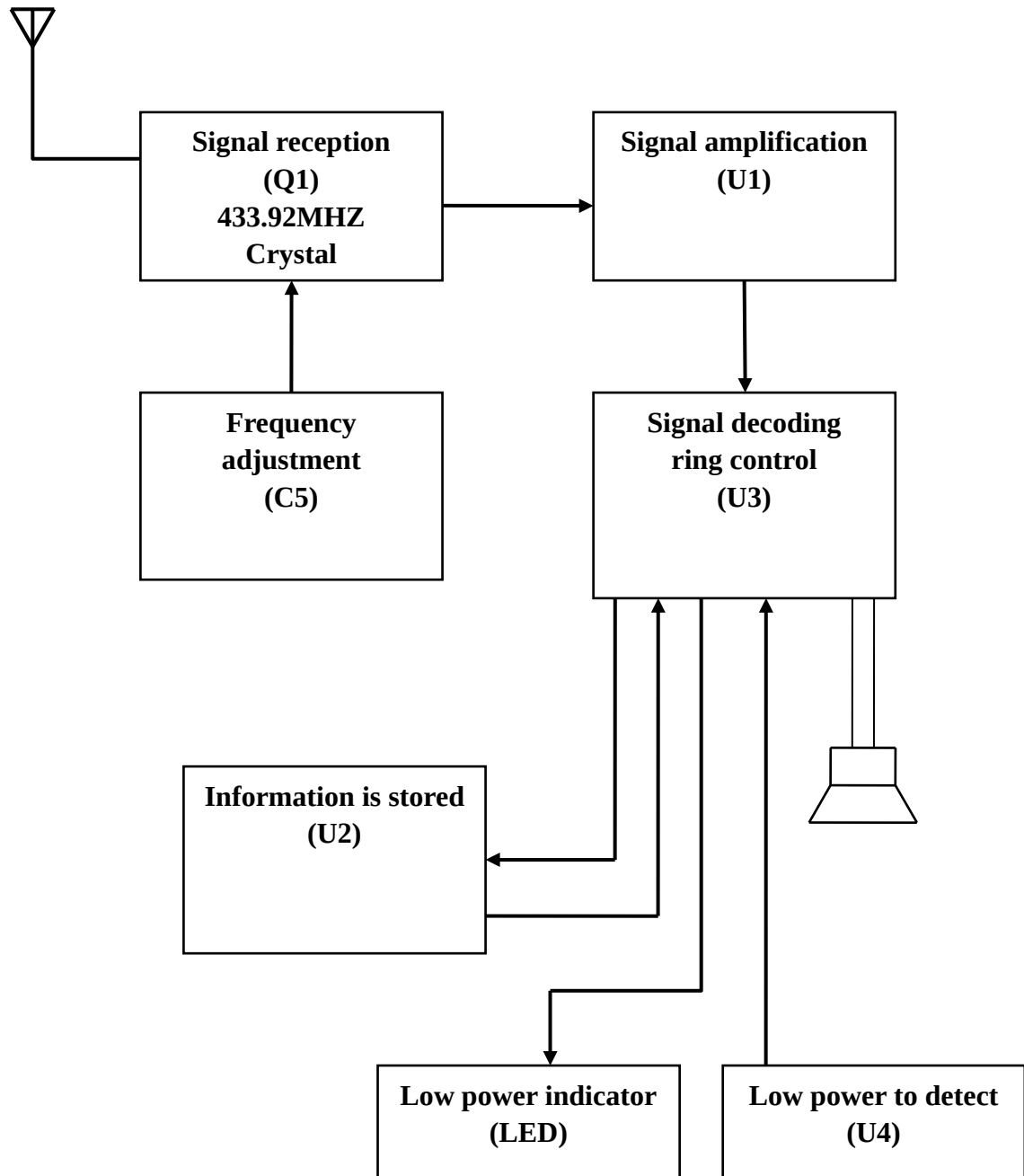


Receiver



Circuit schematic description

Super-regenerative receiver circuit consisted of Q1,C5,L2, and other components, receivers high-frequency carrier signal launched by the receiver, and demodulates the low-frequency coded modulation signal, which is zoomed in by U2,After reconstructed, the signal is outputted to the MCU-the U3 to be decoded. Once decoding is effective,the ringtone is outputted to the speaker.

When the battery voltage is below 2.2V, the U4 outputs a signal to the MCU-the U3 to be judged, ringtone outputted to the speaker to warn lack of electricity.

A description of the circuit functions:

The receiver first received the signal from the transmitter, the receiving antenna after the signal acquisition, demodulation, and zoom in shaping the output device can receiver the signal, decoding the signal to start-up tone, however, when the quantity of electricity shortage, low power detection circuit turn signal feedback the MCU-U3-signal judgement, then start-up tone prompts.