

ABSTRACT

APPARATUS AND METHOD FOR MODULATING DIGITAL DATA USING
FREQUENCY SHIFT KEYING

- 5 A modulator for modulating a digital bit stream using frequency shift keying. Modulation is achieved by passing the bit stream through a finite impulse response filter. The filter has an impulse response corresponding to the transfer function from the original bit stream to the bit stream modulated using frequency shift keying. The output from this filter is then converted into an analog signal which is suitable for transmission.

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Figure 1



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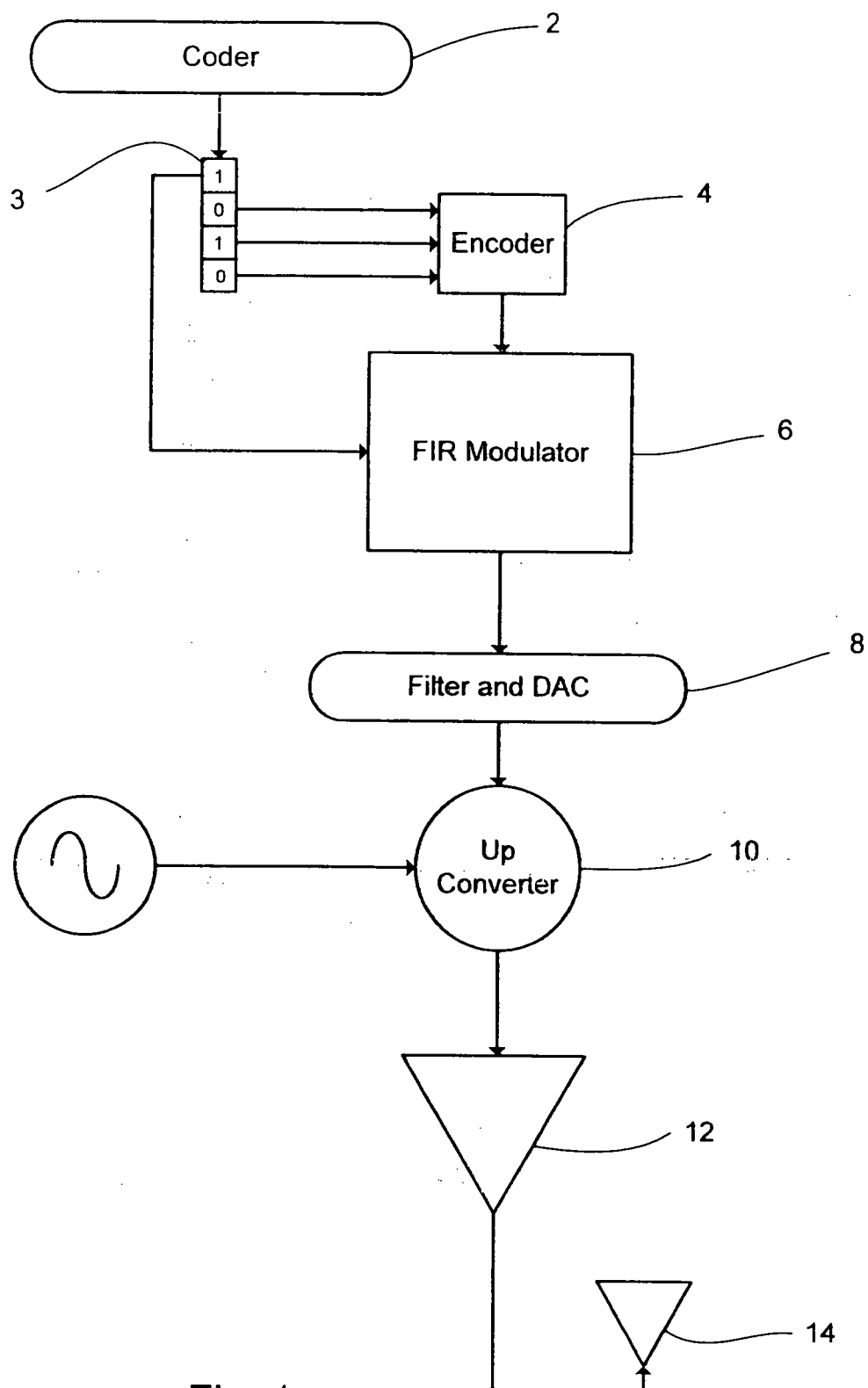


Fig. 1