

ABSTRACT

APPARATUS AND METHOD FOR MODULATING DIGITAL DATA

- A modulator for modulating a digital bit stream using frequency shift keying or  
5 phase shift keying. The modulator comprises pattern generation means for generating  
a transition pattern whenever there is a transition in said digital bit stream, and for  
generating a pattern corresponding to a frequency representing the instantaneous  
value of said digital bit stream otherwise. The transition pattern is dependent on  
whether the transition is from a low to a high value or from a high to a low value.  
10 The output of said pattern generation means is the digital bit stream modulated using  
frequency shift keying or phase shift keying.

Figure 1



\*G00002\*



\*162162\*