

ABSTRACT**METHOD AND APPARATUS FOR FACILITATING CONCATENATED
CODES FOR BEACON CHANNELS**

Methods, apparatuses, and computer program products are disclosed for encoding/decoding a wireless control signal. For encoding, control bits are received and encoded with a first error control code so as to create a first set of encoded bits. The encoded bits are then encoded with a second error control code so as to create a second set of encoded bits, which are modulated as beacon tones and subsequently transmitted. For decoding, beacon tones corresponding to a set of control bits are received and subsequently demodulated so as to ascertain a set of demodulated bits. The demodulated bits are then decoded with a decoder so as to ascertain a set of decoded bits. The decoded bits are then decoded with a second decoder so as to ascertain a second set of decoded bits, which includes the set of control bits.

Figure 6