

**Apparatus, And Associated Method, For Estimating A Bit Error Rate
Of Data Communicated In A Communication System**

ABSTRACT

5 Apparatus, and an associated method, for estimating a bit error rate of data
communicated to a receiving station of a digital communications system, such as a
GSM/EDGE cellular communication system. Soft decision values, indicative of
confidence levels that decided values have been correctly decided are compared with
threshold values by a comparator. A count is accumulated by a counter to whose
10 counted value is representative of decided data values having associated therewith
low levels of confidence that the decided values are correct. The count value is used
in the formulation of the BER estimation.

Figure 4