

Abstract**Apparatus for detecting a busy signal on a telephone line**

When a first telephone subscriber attempts to reach a second telephone subscriber who is either engaged or has accidentally placed the telephone receiver in an off-hook position, busy signals will be generated by the telephone exchange and reported to the first telephone subscriber. When the first telephone subscriber has accidentally placed the telephone receiver in an off-hook position, the same busy signals will be generated by the telephone exchange and these can also be detected in the telephone line of said telephone subscriber. The present invention relates to an apparatus for the detection of a busy signal in a telephone line, and further determine if the telephone instrument connected is in a telephone receiver-off-hook-and-not-in-use condition. The apparatus also serves to indicate to the concerned telephone subscriber by an alarm so that he may take corrective action.

Figure 1