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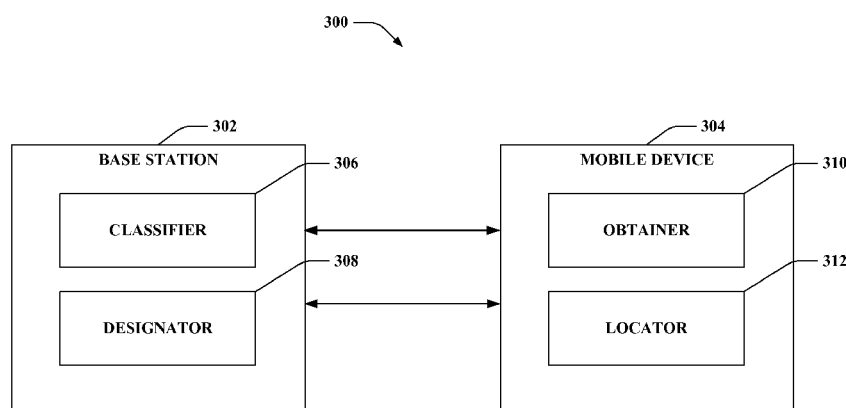
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(54) Title: METHOD AND APPARATUS USING GUARD CARRIERS FOR EXTRA CHANNELS

**FIG. 3**

(57) **Abstract:** To assist in minimizing interference, a bandwidth range can have guards on either side to reduce leakage into neighboring bandwidth ranges. However, in relatively low power situations the risk of leakage is reduced. Therefore, the guard bandwidths can be used to open new channels upon which information can be transmitted. Thus, there can be a larger amount of bandwidth used while still retaining protective aspects, such as low interference to neighboring bands. Using the guard bandwidth to transmit new channels facilitates backward compatibility since legacy devices do not commonly monitor the guard bandwidth. These techniques can also be used at high power base stations by advertising a larger guard than necessary to legacy devices and using the additionally created guard bandwidth to transmit new channels.

