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(54) Title: DRIVER SIDE LOCATION DETECTION

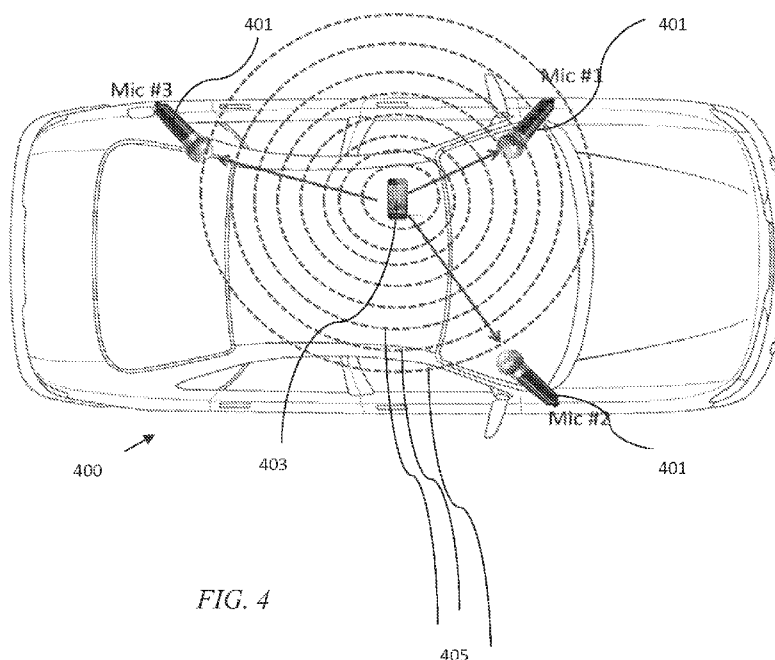


FIG. 4

(57) Abstract: A system for determining a presence of a mobile device located in a predetermined detection zone includes a circuit associated with the mobile device and configured to cause an acoustic signal to be transmitted from the mobile device, a plurality of acoustic receivers, where each of the plurality of receivers is configured to receive the acoustic signal transmitted from the mobile device and convert the acoustic signal into an electrical signal, and a processor configured to determine a location of the mobile device based on the time of reception of the acoustic signal by the plurality of acoustic receivers and to determine whether the location of the mobile device matches the predetermined detection zone.