

We claim:

1. A method of operating a communications device, comprising:

generating device location information based on at least one of a received signal or inertial guidance information; and

controlling at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information, said step of controlling including controlling: (i) a safety message monitoring periodicity that determines a rate at which monitoring for safety messages is performed and a safety message monitoring duty cycle based on the generated device location information or (ii) a safety message transmission periodicity that determines a rate at which safety message transmissions are made by said communications device; and

wherein the safety message monitoring periodicity or the safety message transmission periodicity is increased when it is determined that the communications device is at a location with higher vehicular traffic than at another location with lower vehicular traffic.

2. The method as claimed in claim 1, wherein the safety message monitoring periodicity or the safety message transmission periodicity is controlled as a function of proximity to vehicular traffic.

3. The method as claimed in claim 1, wherein controlling at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information includes:

controlling a transmission power level of safety messages transmitted by said communications device.

4. The method as claimed in claim 1, wherein controlling at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information includes:

disabling at least one of safety message transmission or safety message monitoring operations when said generated device location information indicates that said communications device is inside a moving vehicle.

5. The method as claimed in claim 4, wherein generating device location information based on at least one of a received signal or inertial guidance information includes:
determining if said communications device is located in a vehicle.

6. The method as claimed in claim 5, wherein determining if said communications device is located in a vehicle is based on at least one of:
user input;
strength and/or rate of safety messages received from vehicles;
a signal received from a safety message system of a vehicle;
a determined rate of motion relative to a rate of motion indicative of vehicular motion; or
a received acoustic signal indicative of said communications device being within a vehicle.

7. The method as claimed in claim 4, wherein controlling at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information includes:
enabling at least one of safety message transmission or safety message monitoring operations when said generated device location information indicates that said communications device is outside of a vehicle.

8. A communications device, comprising:
means for generating device location information based on at least one of a received signal or inertial guidance information; and
means for controlling at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information, said means for controlling at least one of a safety message monitoring operation or transmission operation including: means for controlling a safety message monitoring duty cycle based on the generated device location information and means for controlling a safety message monitoring periodicity

that determines a rate at which monitoring for safety messages is performed or a safety message transmission periodicity that determines a rate at which safety message transmissions are made by said communications device; and

wherein said means for controlling a safety message monitoring periodicity that determines a rate at which monitoring for safety messages is performed or a safety message transmission periodicity that determines a rate at which safety message transmissions are made by said communications device controls the safety message monitoring periodicity or the safety message transmission periodicity to increase when it is determined that the communications device has moved to a location with higher vehicular traffic from another location with lower vehicular traffic.

9. The communications device as claimed in claim 8, wherein said means for controlling a safety message monitoring periodicity or a safety message transmission periodicity controls the safety message monitoring periodicity or the safety message transmission periodicity as a function of proximity to vehicular traffic.

10. The communications device as claimed in claim 8, wherein said means for controlling at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information includes:

means for controlling the transmission power level of safety messages transmitted by said communications device.

11. A communications device comprising:

at least one processor configured to:

generate device location information based on at least one of a received signal or inertial guidance information;

control at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information, said processor being configured to control a safety message monitoring periodicity that determines a rate at which monitoring for safety messages is performed or a safety message transmission periodicity that determines a rate at which safety message transmissions are made by said communications device, and control a

safety message monitoring duty cycle based on the generated device location information, as part of being configured to control at least one of a safety message monitoring operation or transmission operation; and

increase the safety message monitoring periodicity or the safety message transmission when it is determined that the communications device is at a location with higher vehicular traffic than at another location with lower vehicular traffic; and
memory coupled to said at least one processor.

12. The communications device as claimed in claim 11, wherein said at least one processor is configured to control the safety message monitoring periodicity or the safety message transmission periodicity as a function of proximity to vehicular traffic.

13. The communications device as claimed in claim 11, said at least one processor is configured to control the transmission power level of safety messages transmitted by said communications device, as part of being configured to control at least one of a safety message monitoring operation or a safety message transmission operation based on the generated device location information.

Dated this 17/6/2014


[NEERAJ RAINA]
OF REMFRY & SAGAR
ATTORNEY FOR THE APPLICANTS

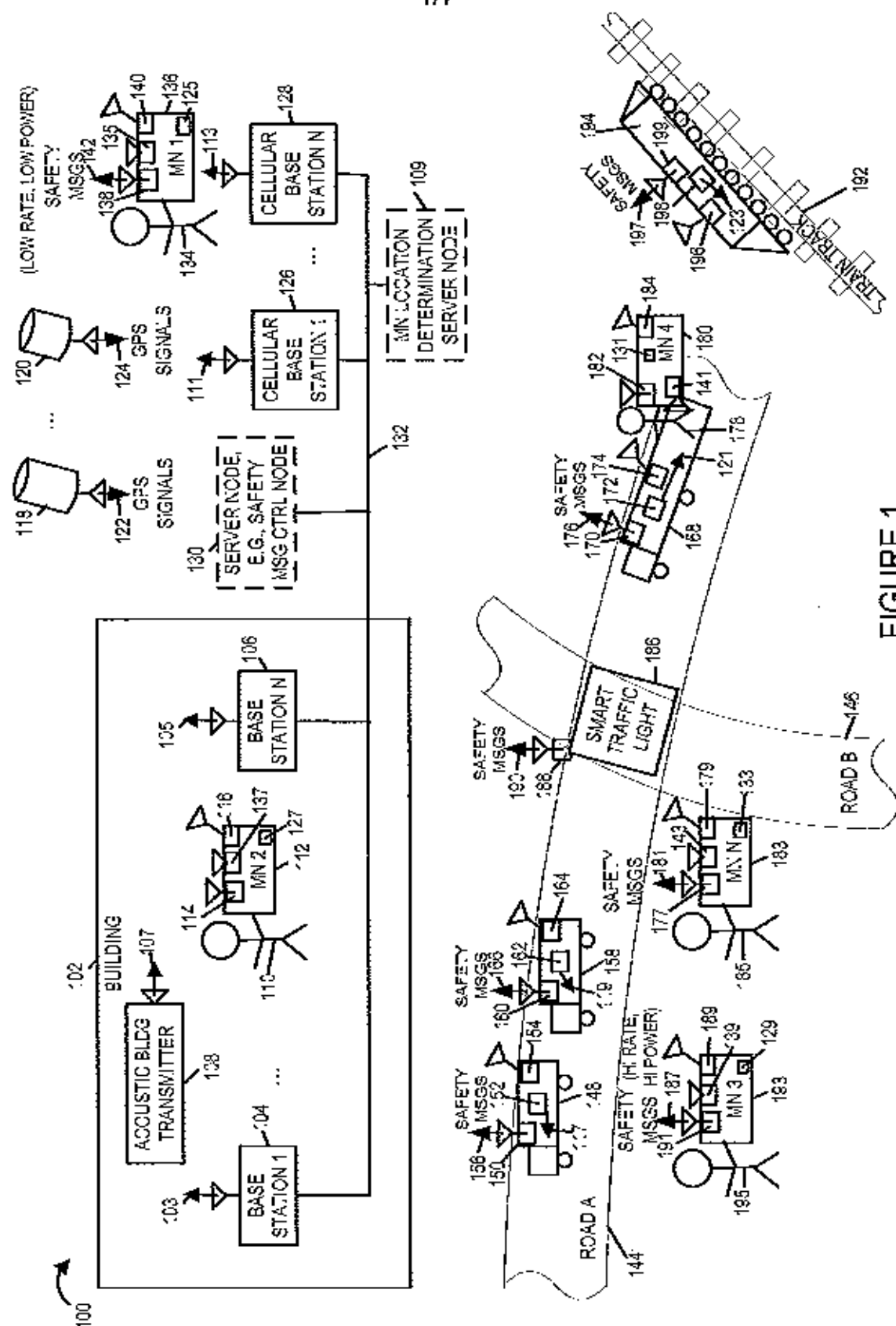
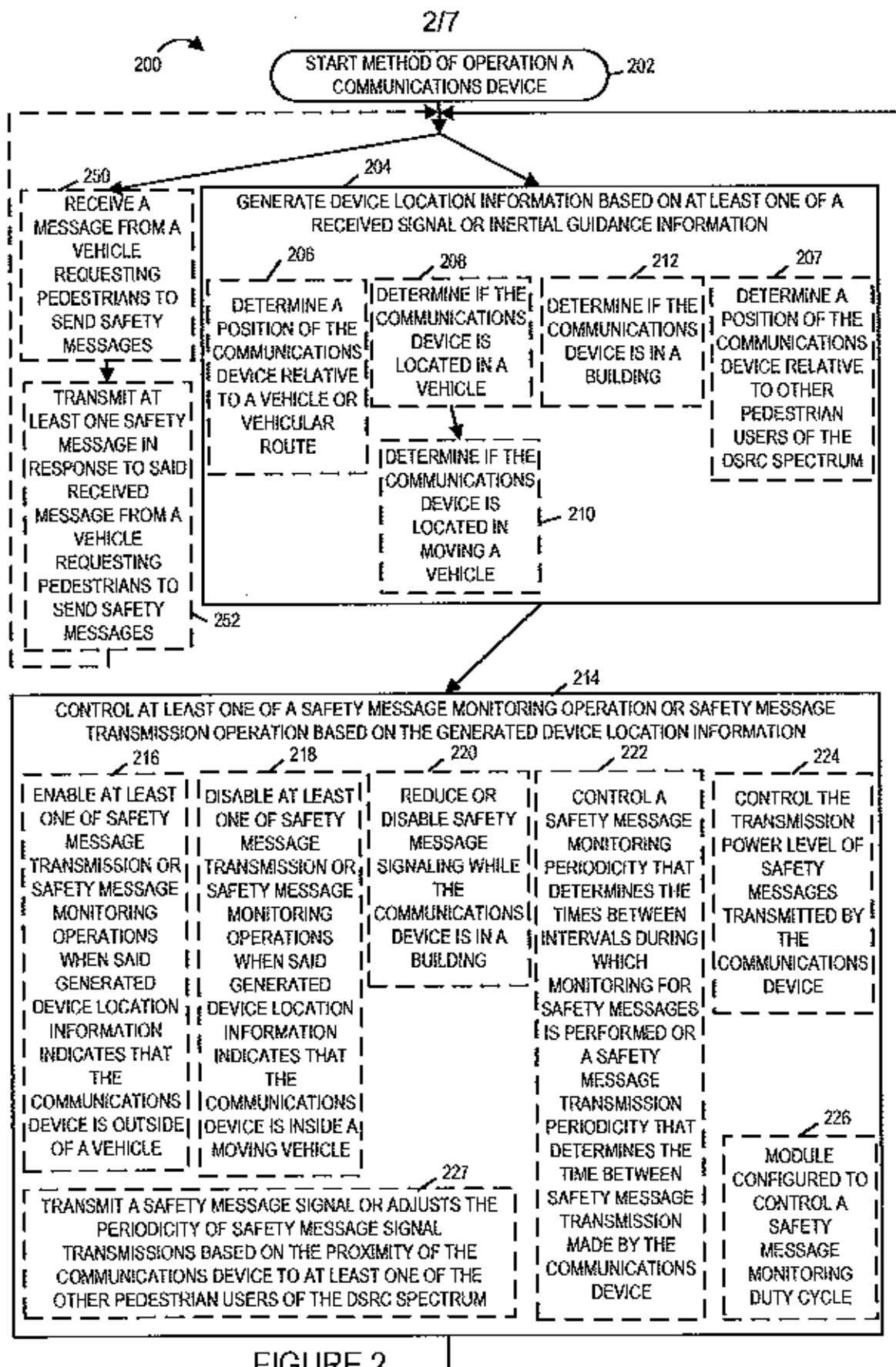


FIGURE 1



3/7

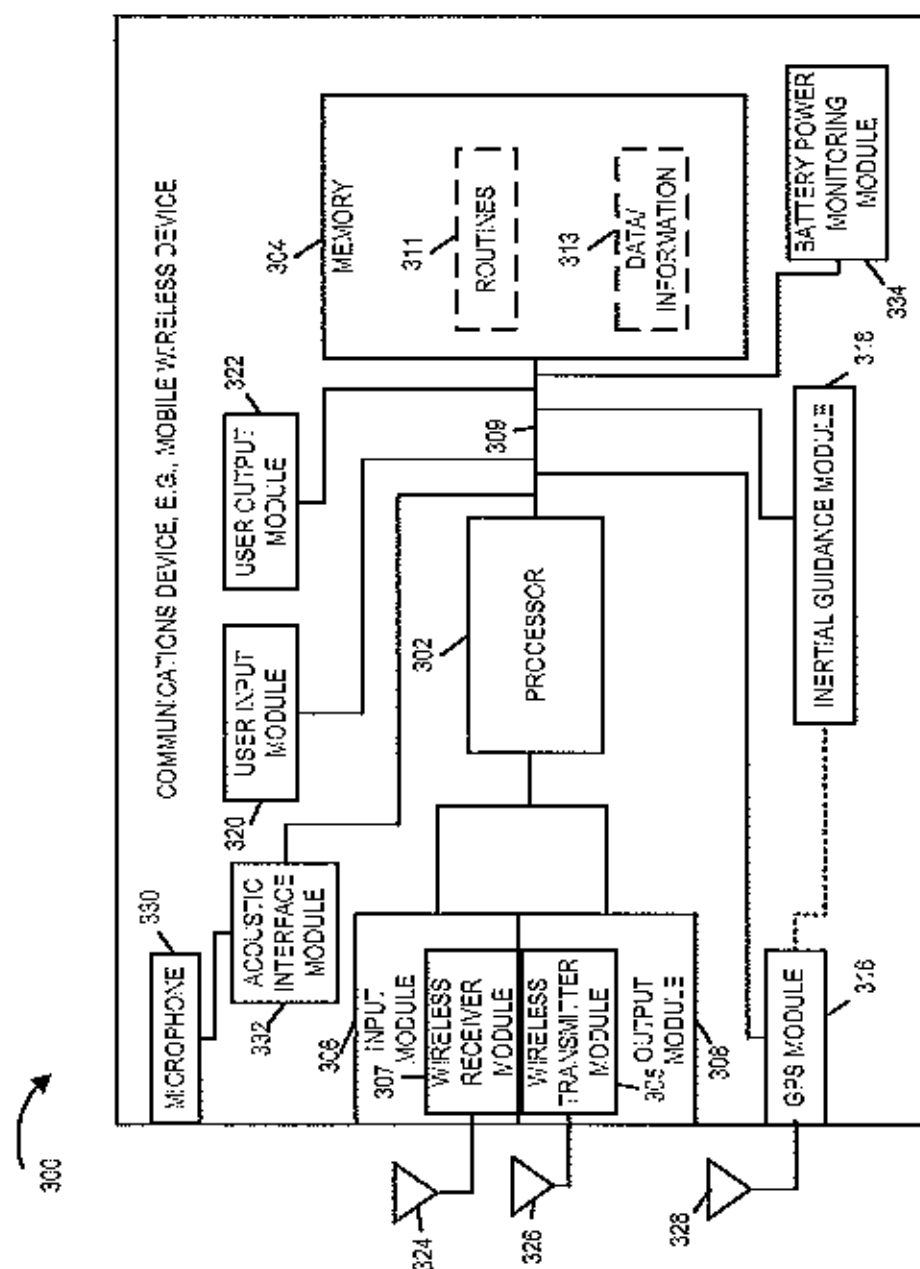


FIGURE 3

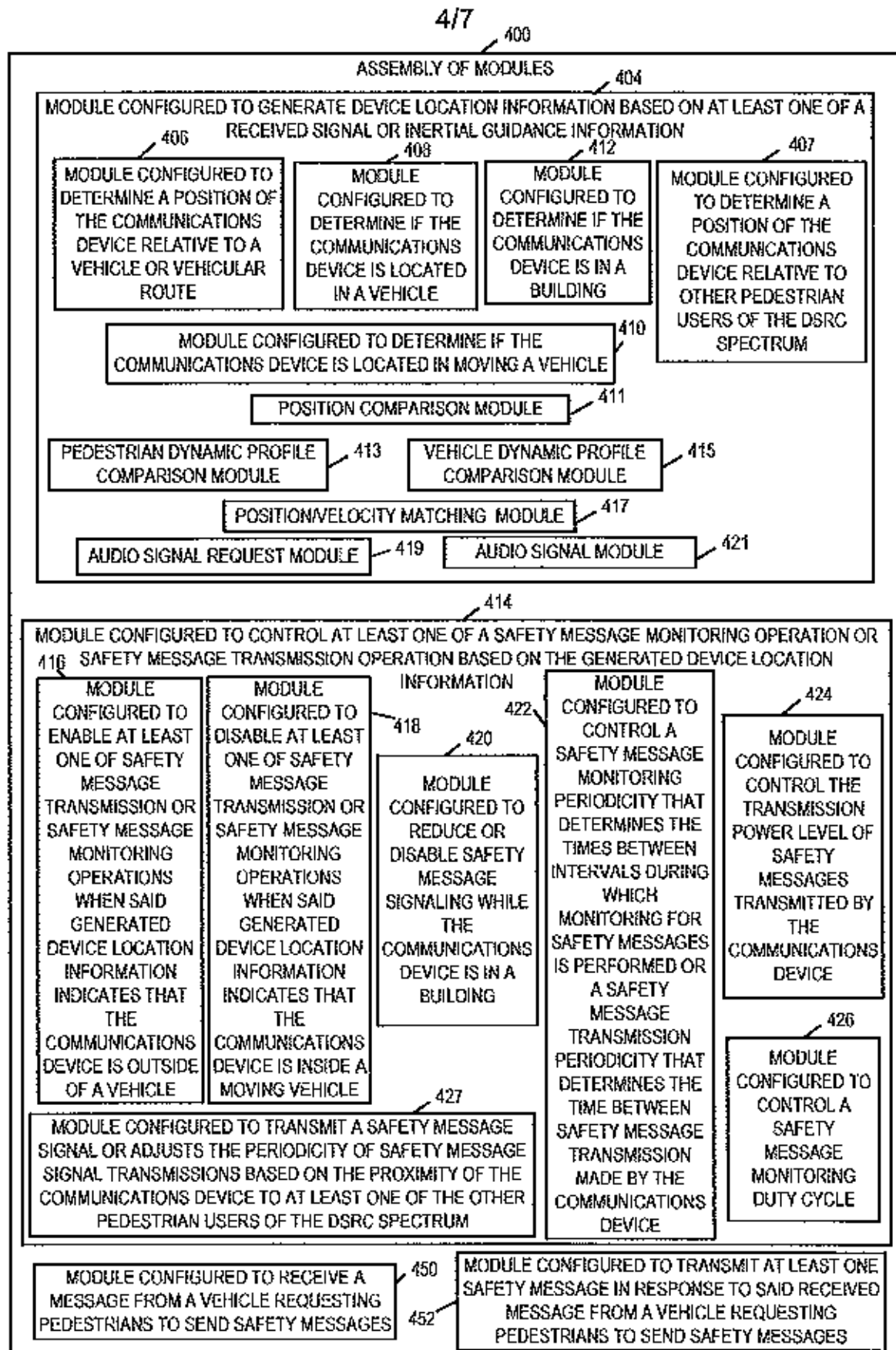
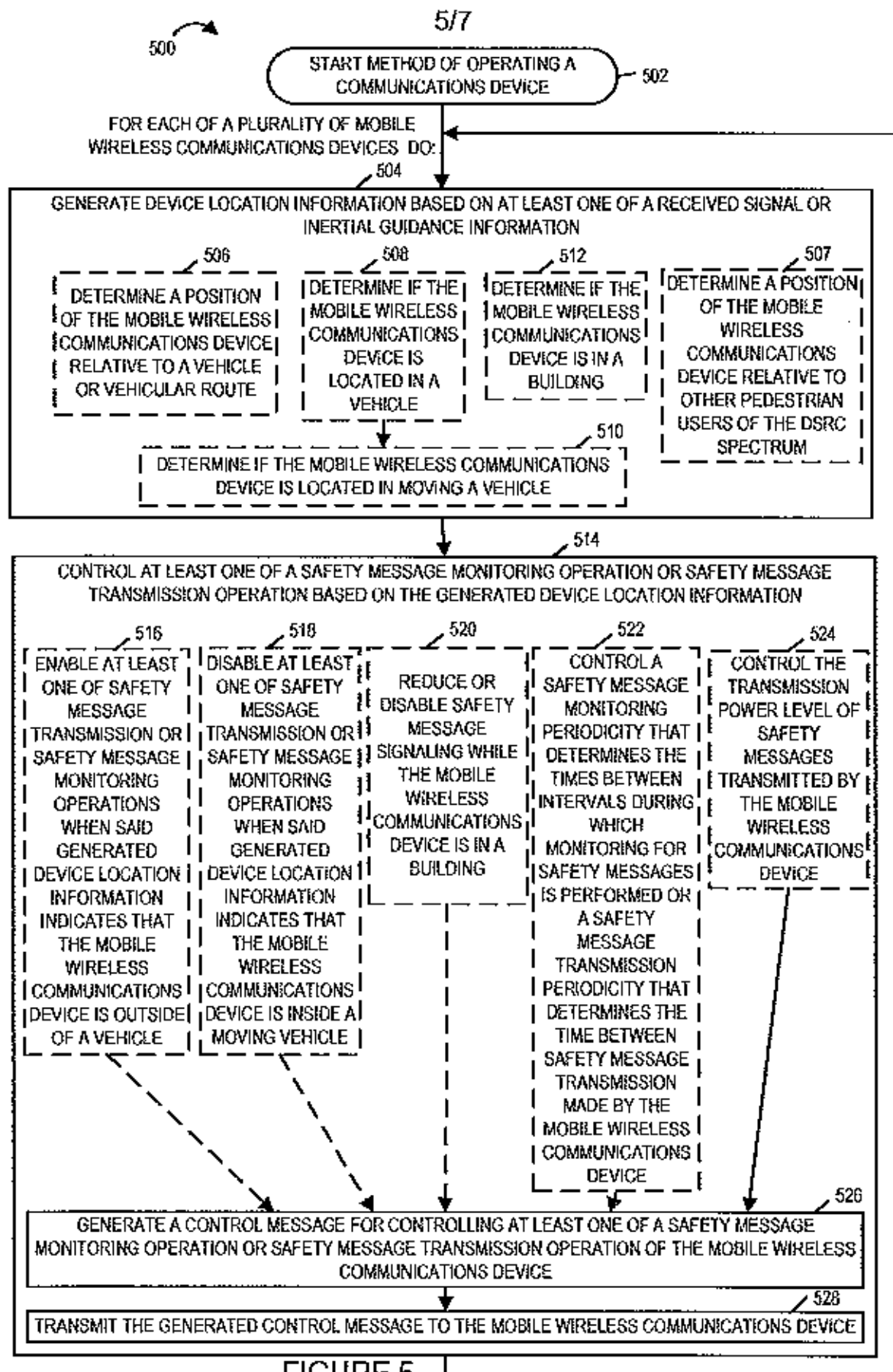


FIGURE 4



6/7

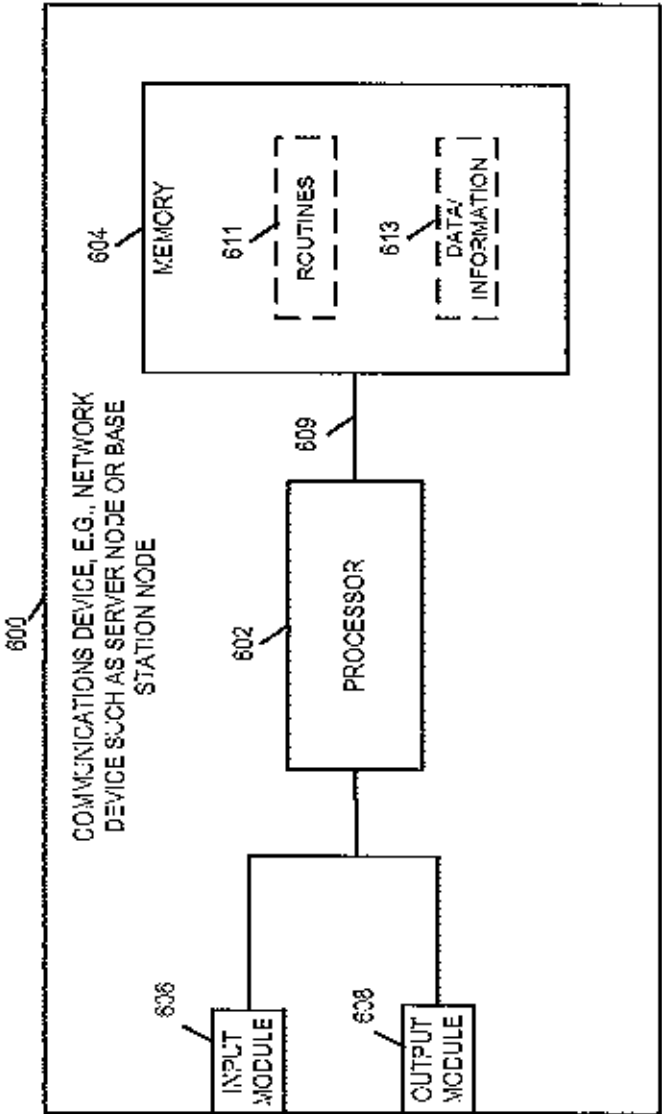


FIGURE 6

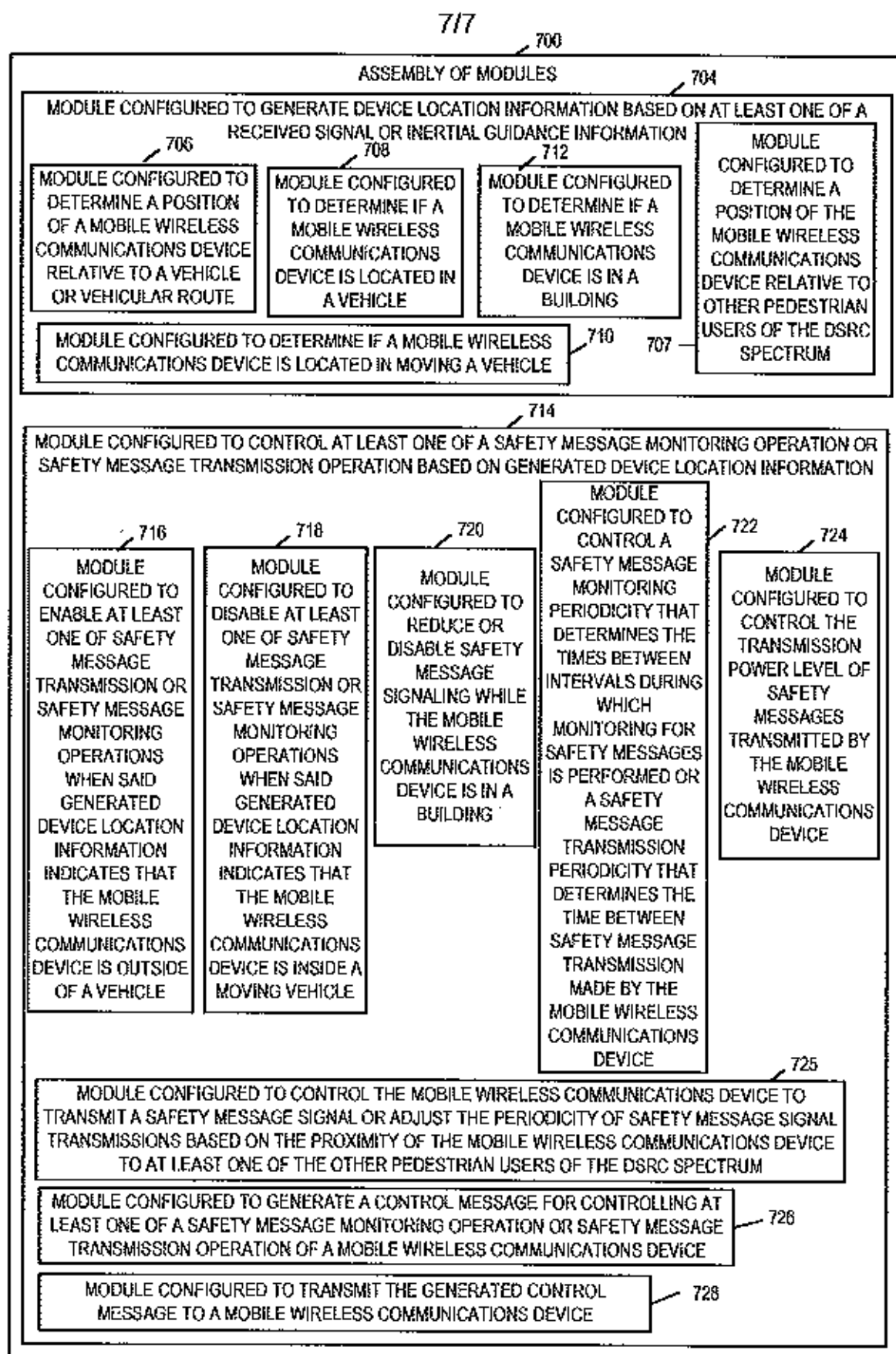


FIGURE 7