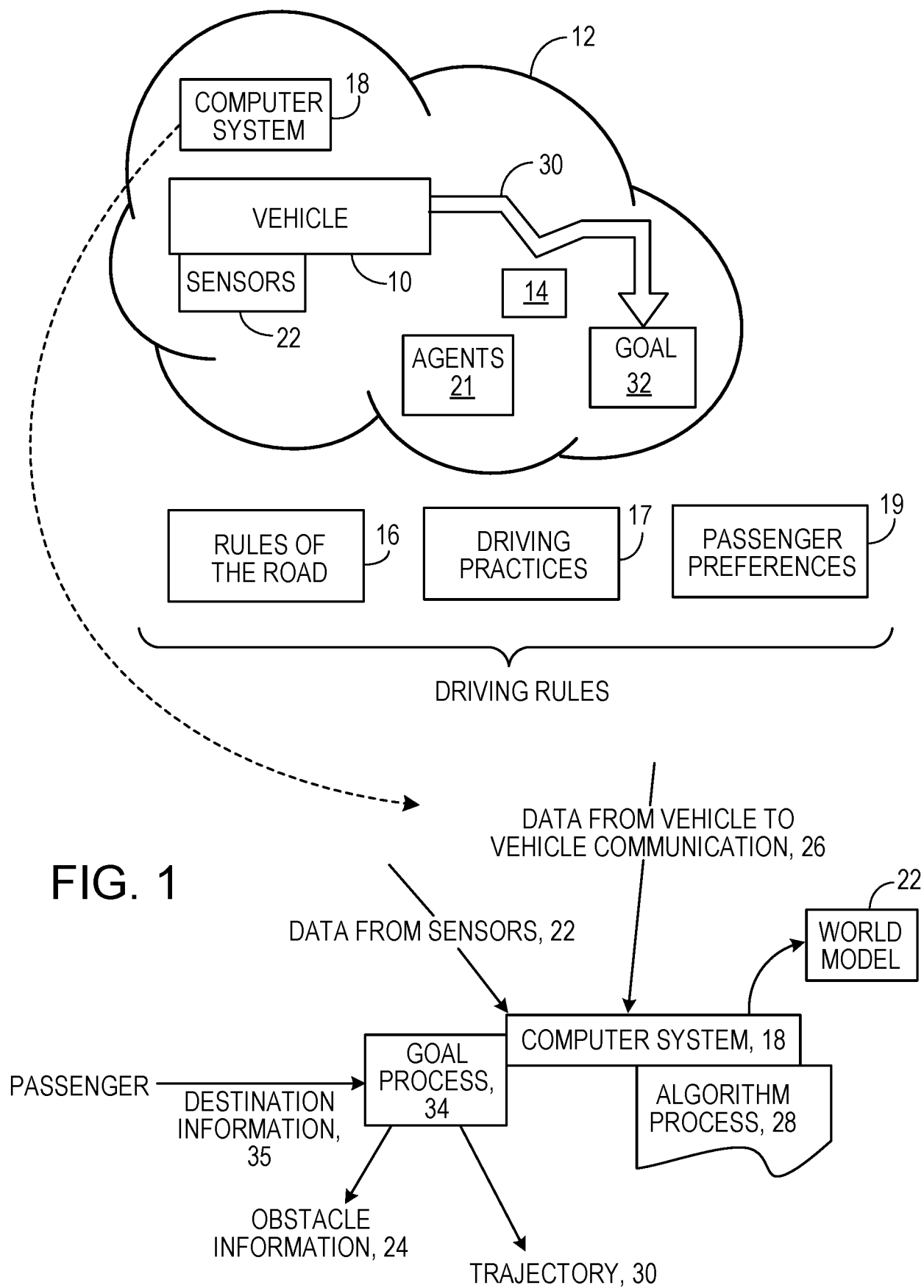




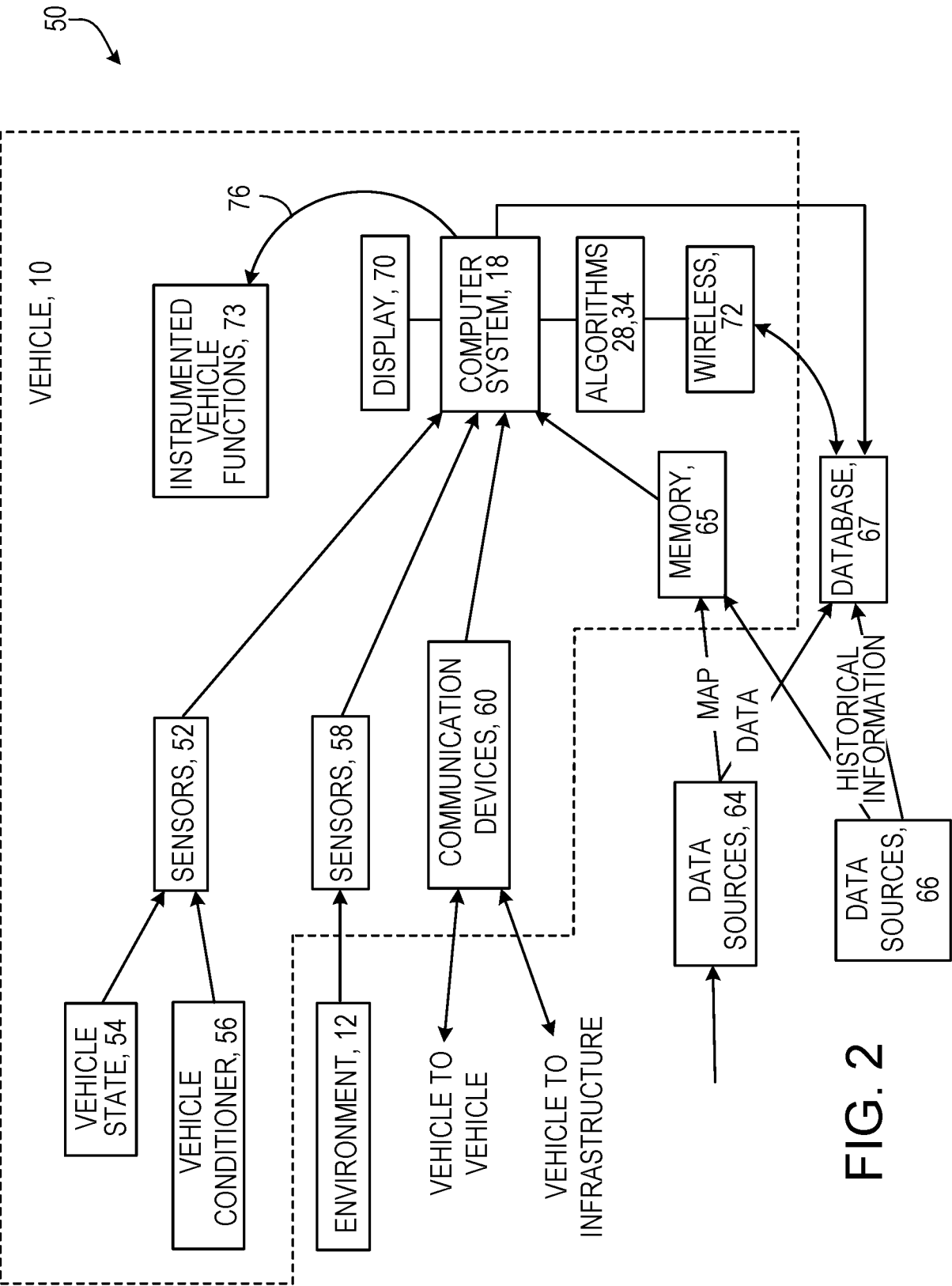


FIG. 2

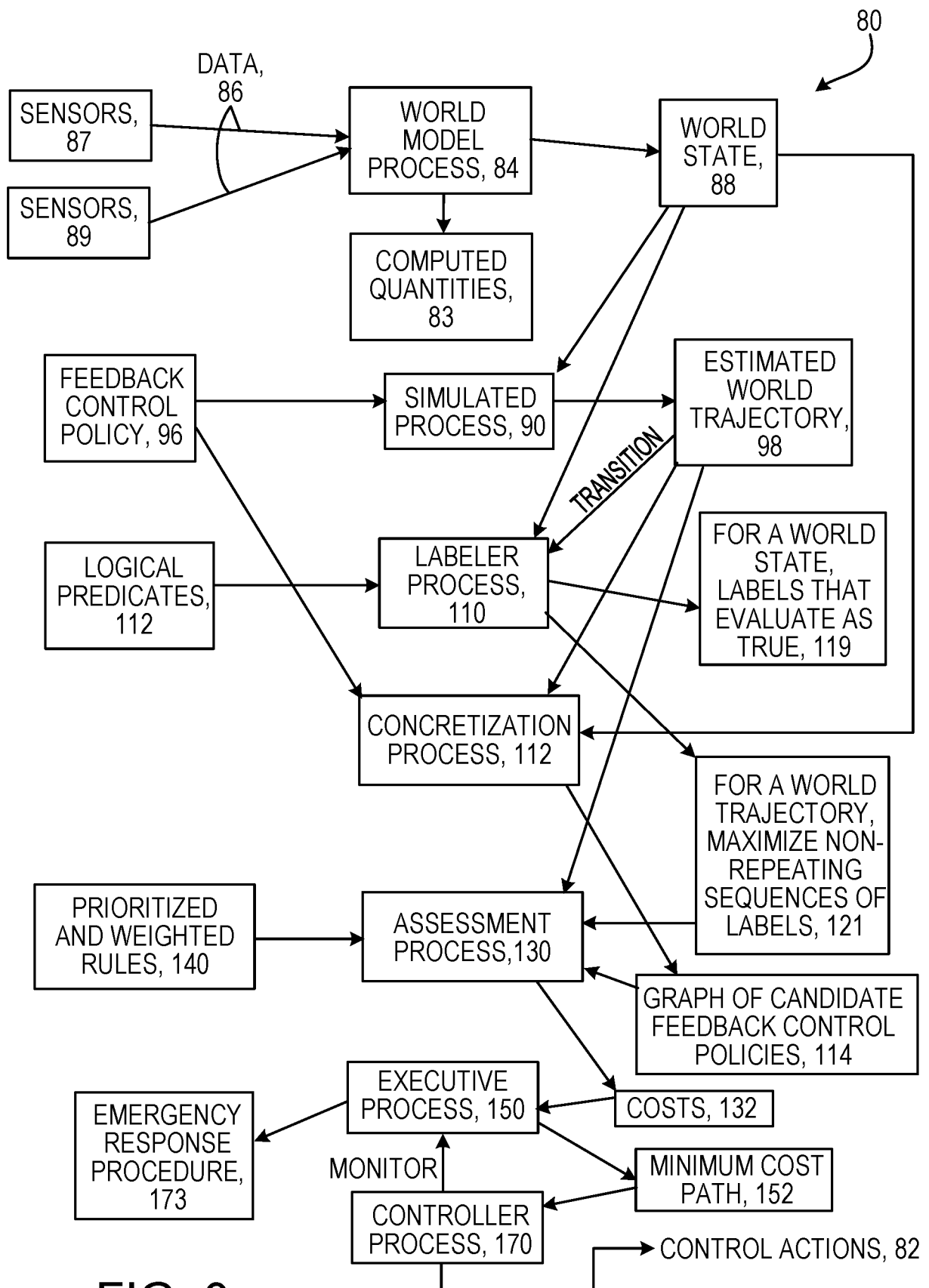
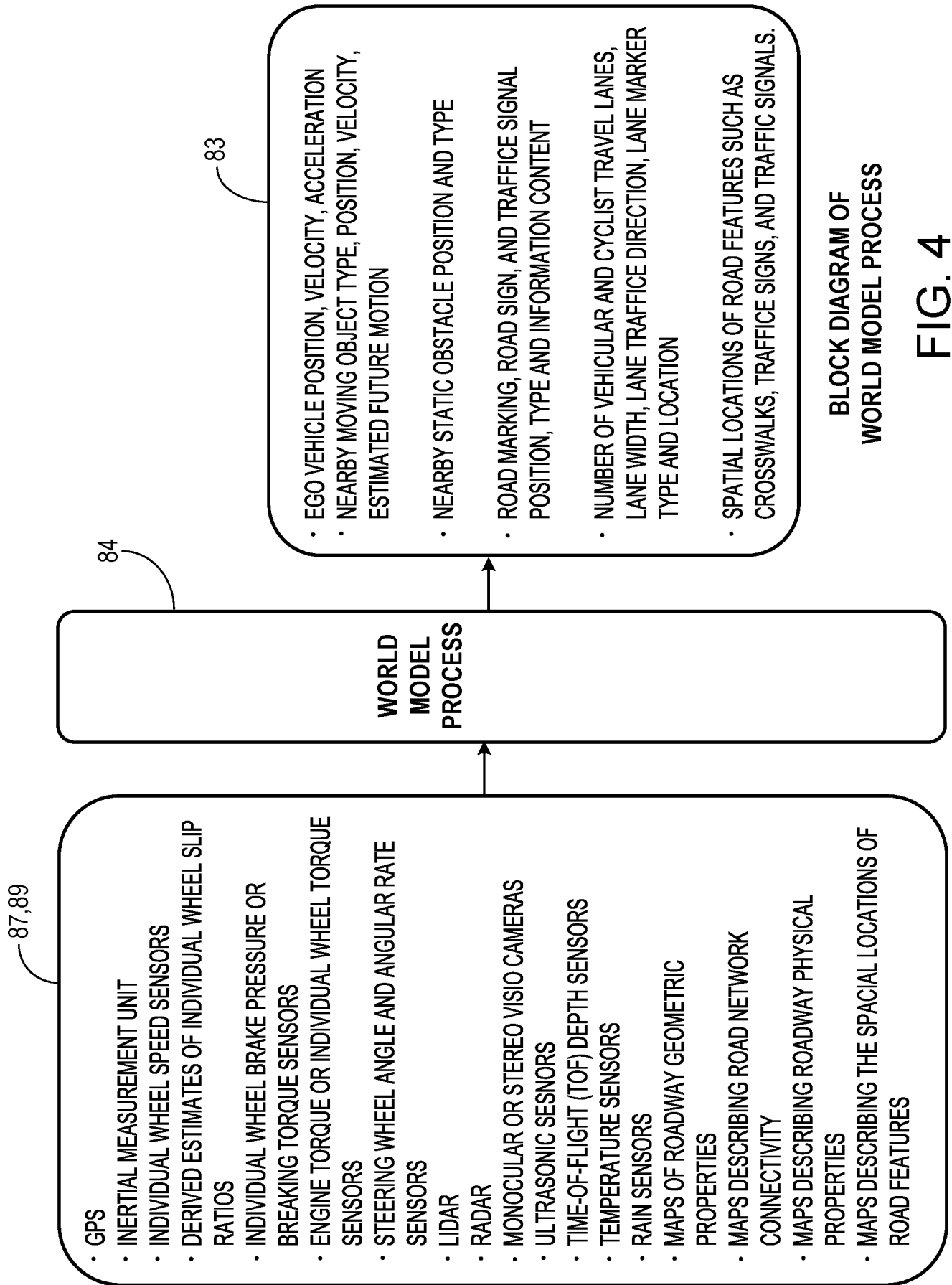
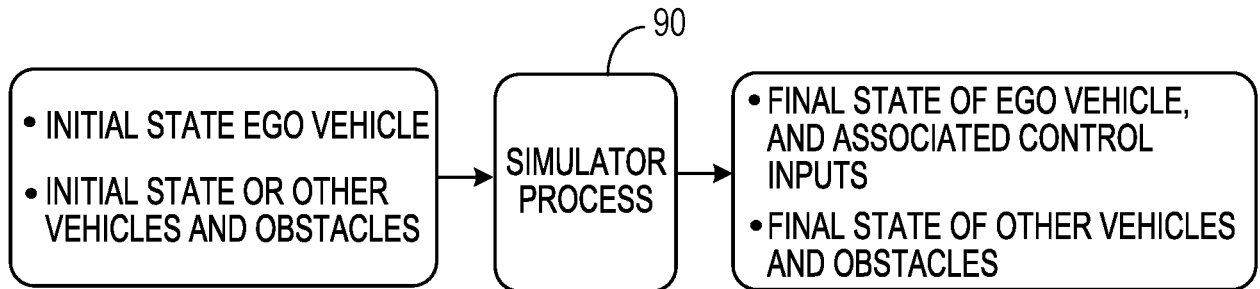


FIG. 3





BLOCK DIAGRAM OF SIMULATOR PROCESS

FIG. 5

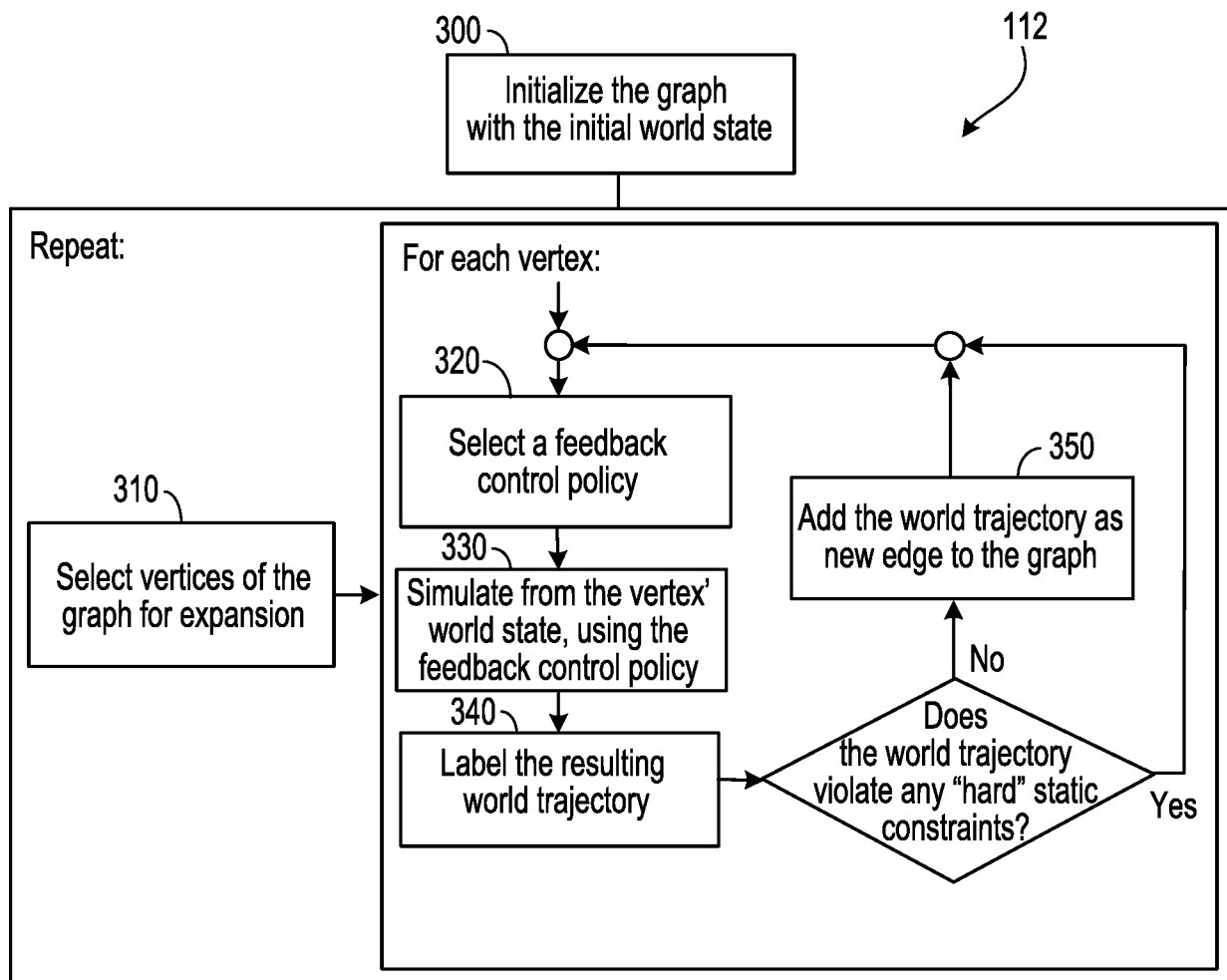
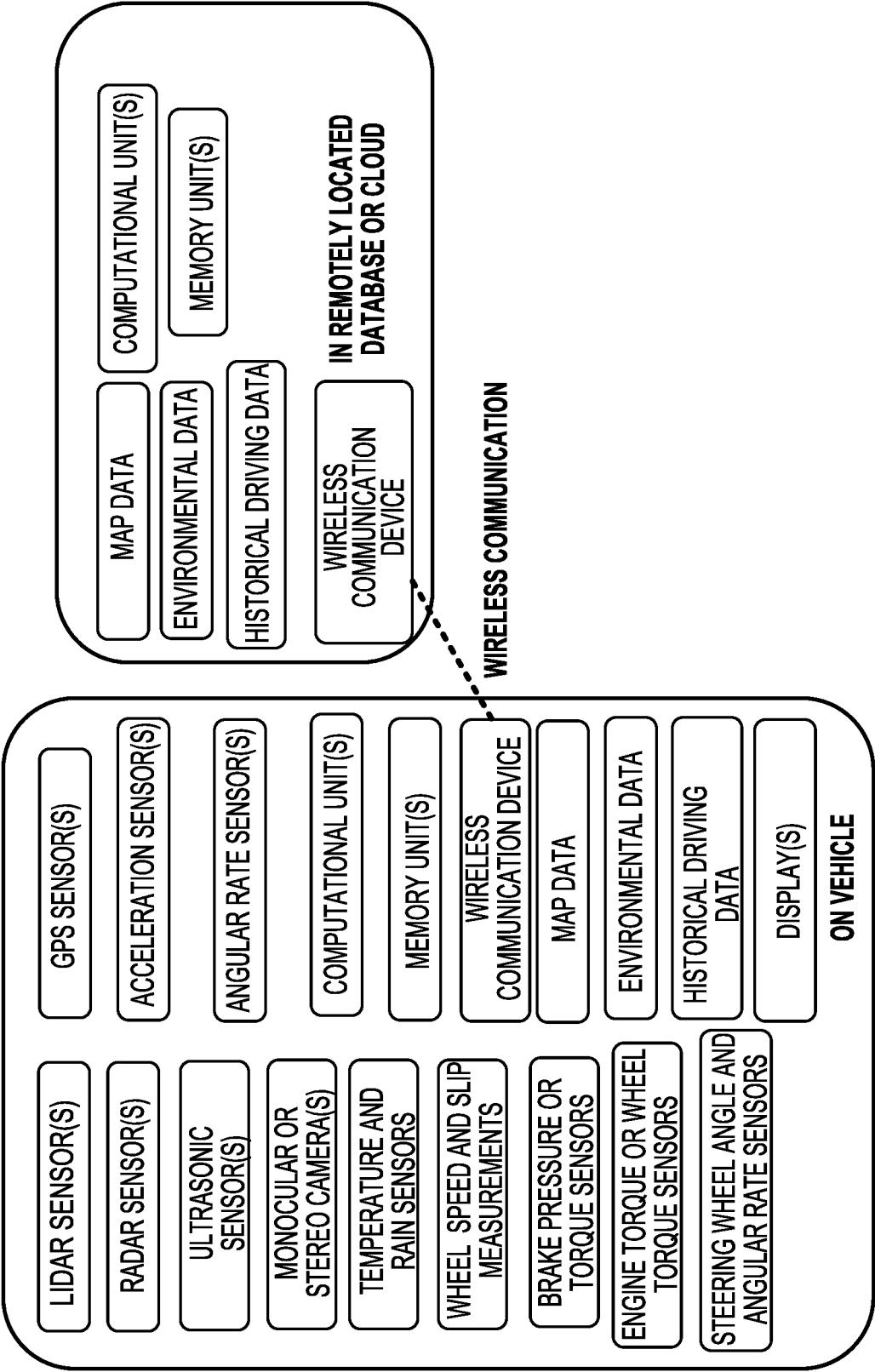
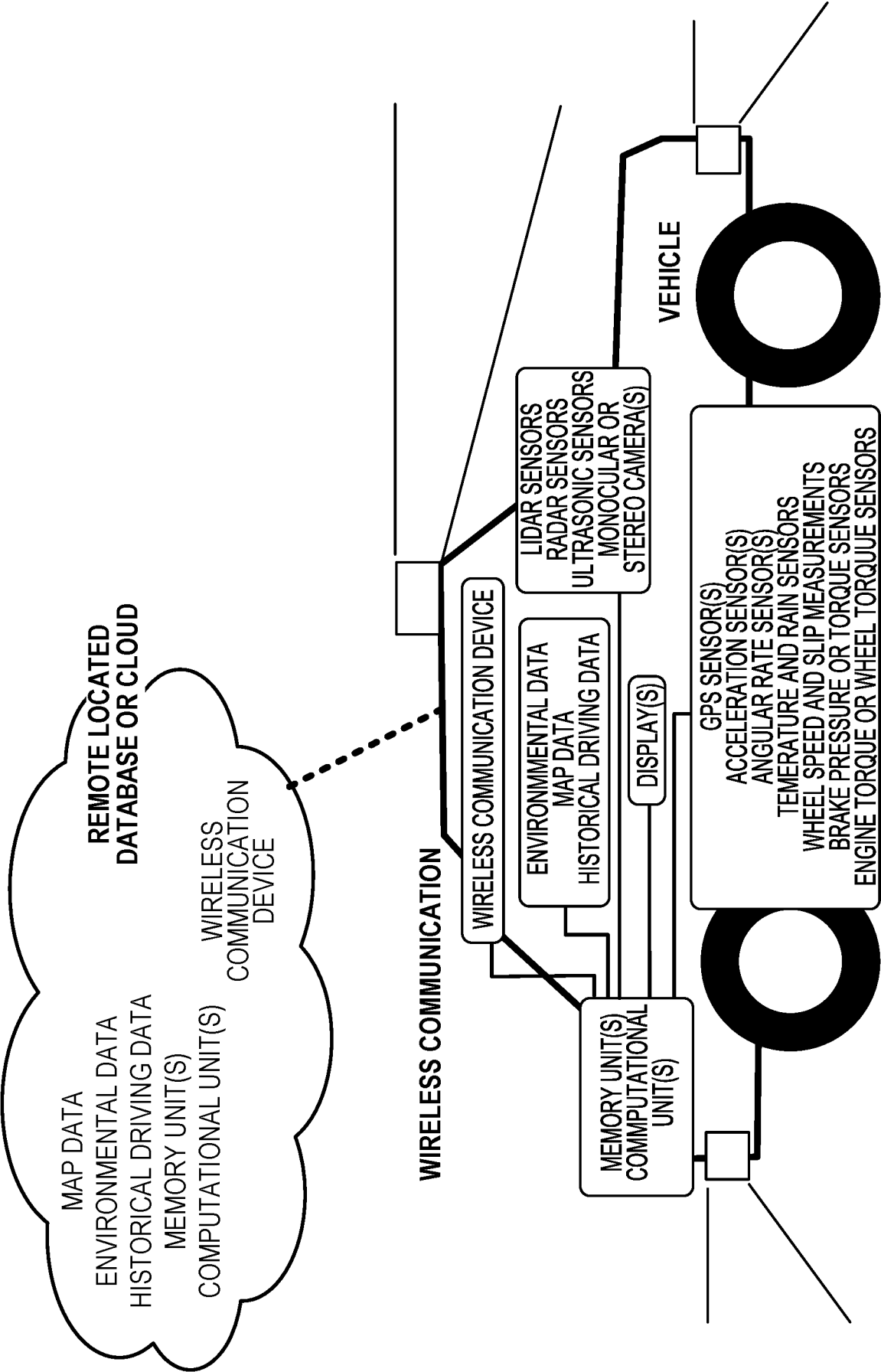


FIG. 6



LOCATIONS OF SYSTEMS SENSING, COMPUTATIONAL COMPONENTS, AND MAP RESOURCES

FIG. 7



PHYSICAL LOCATIONS OF SYSTEM SENSING,
COMPUTATIONAL COMPONENTS, AND MAP RESOURCES

FIG. 8

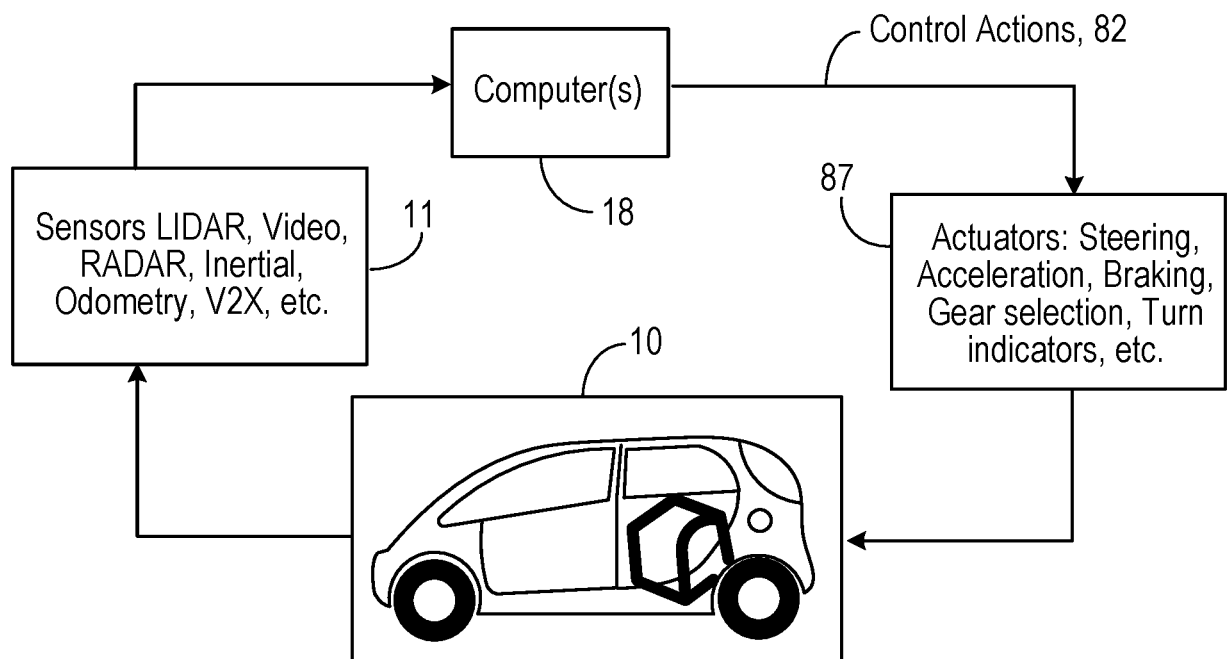


FIG. 9

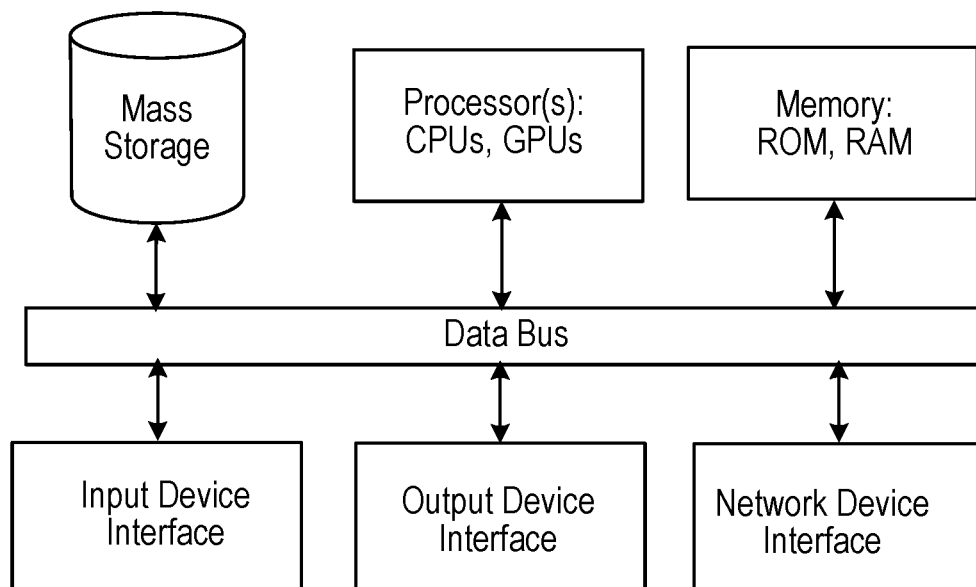


FIG. 10

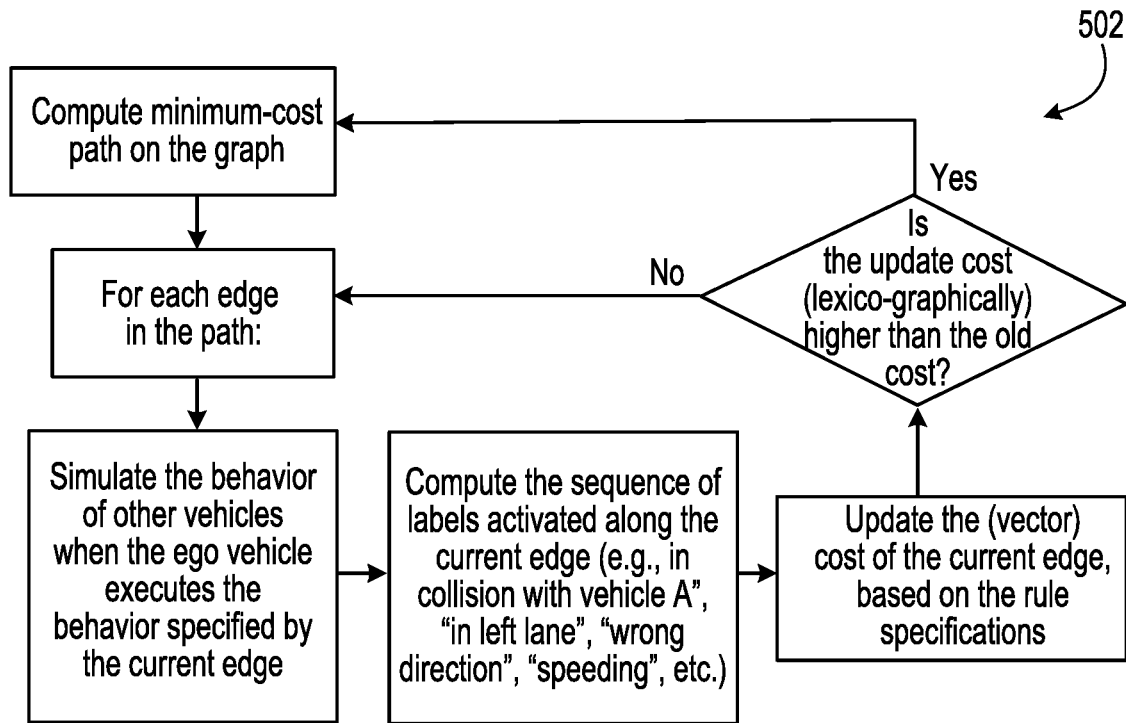


FIG. 11

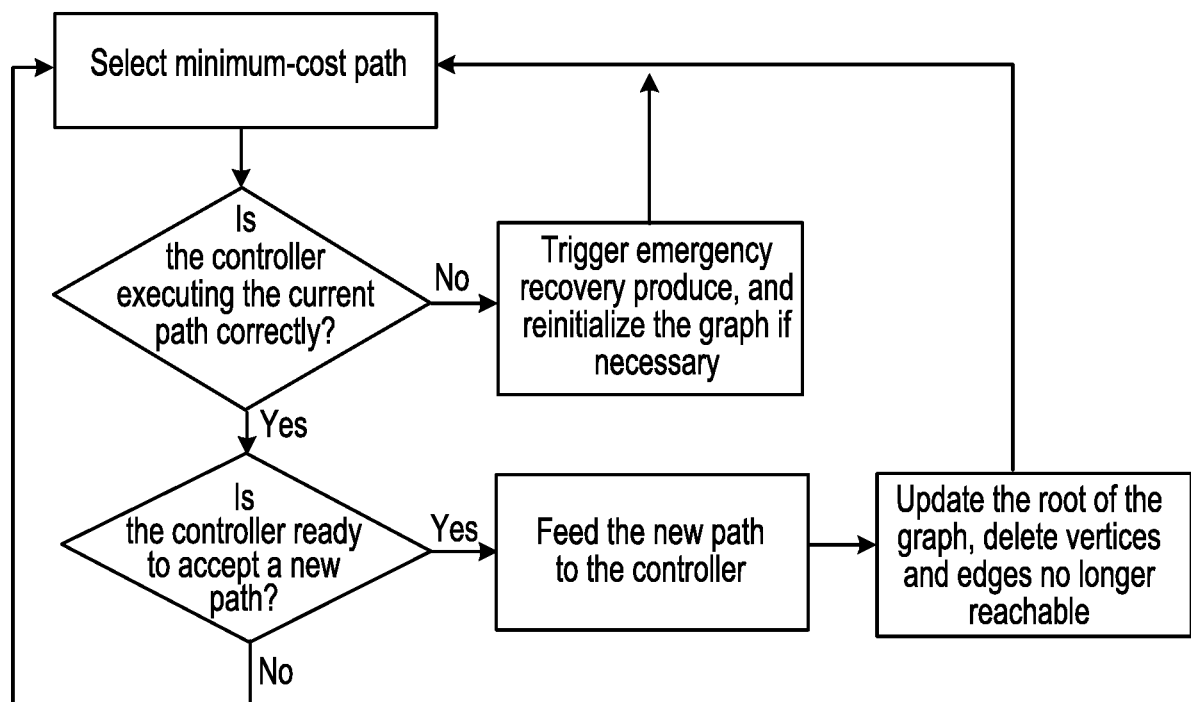
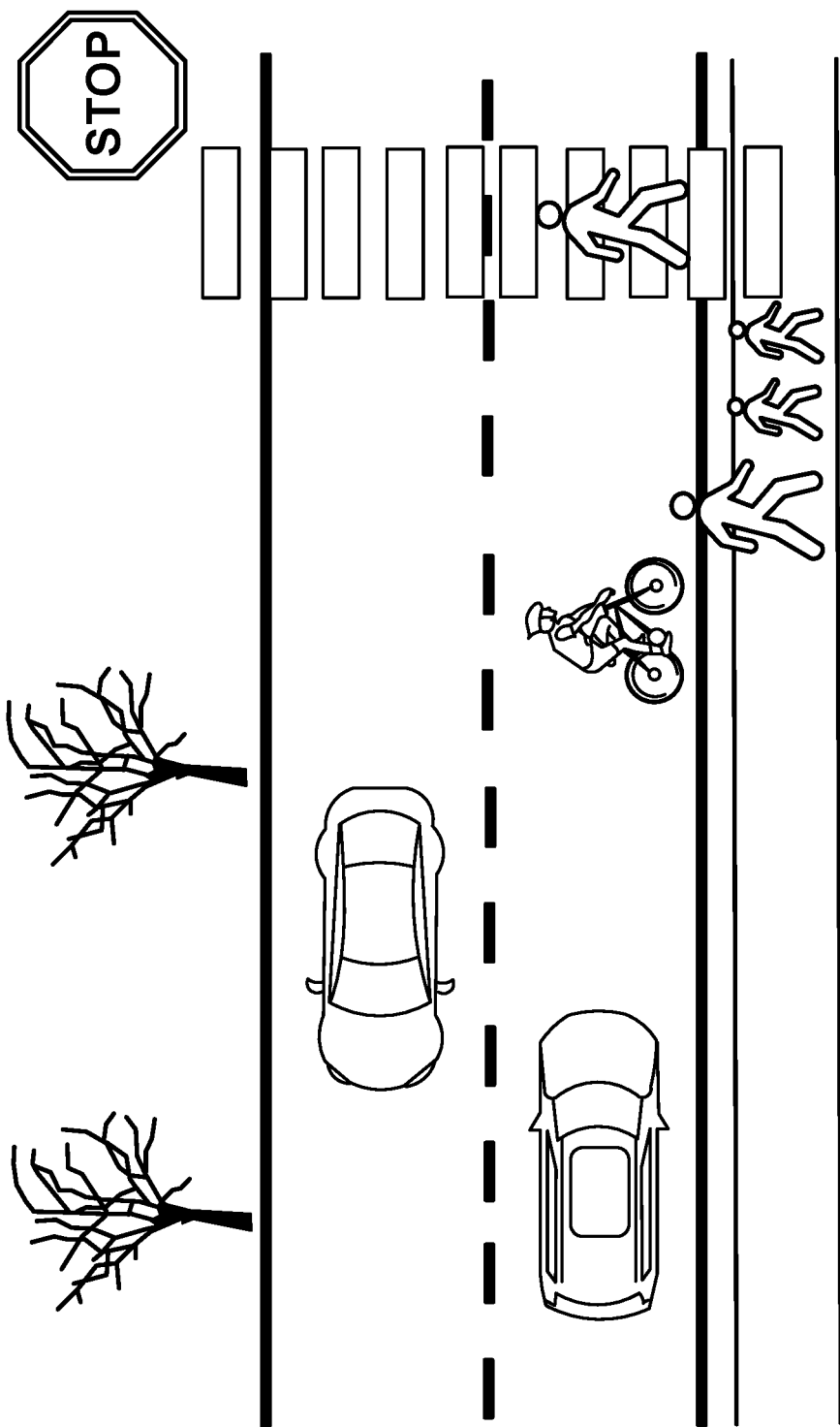
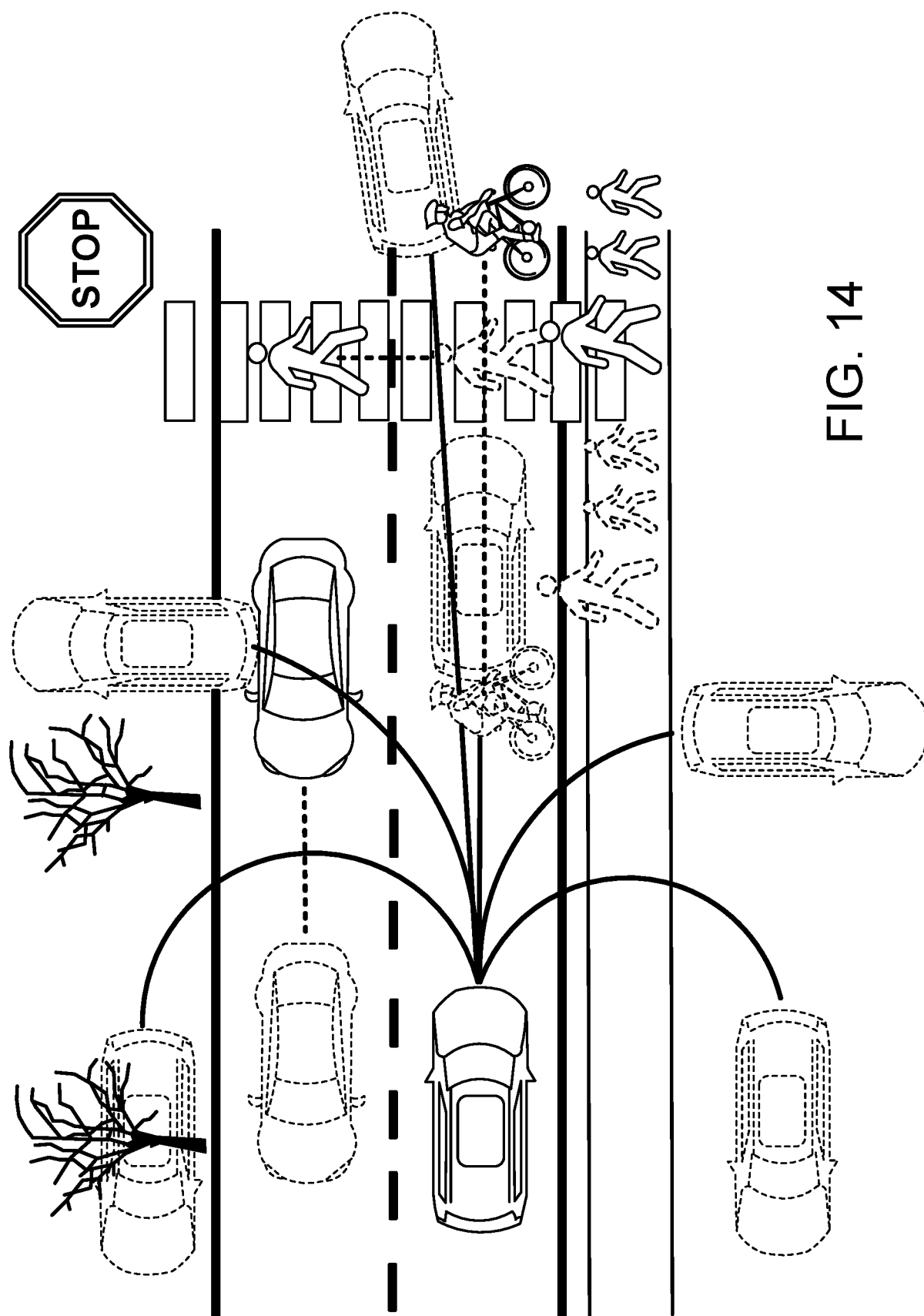


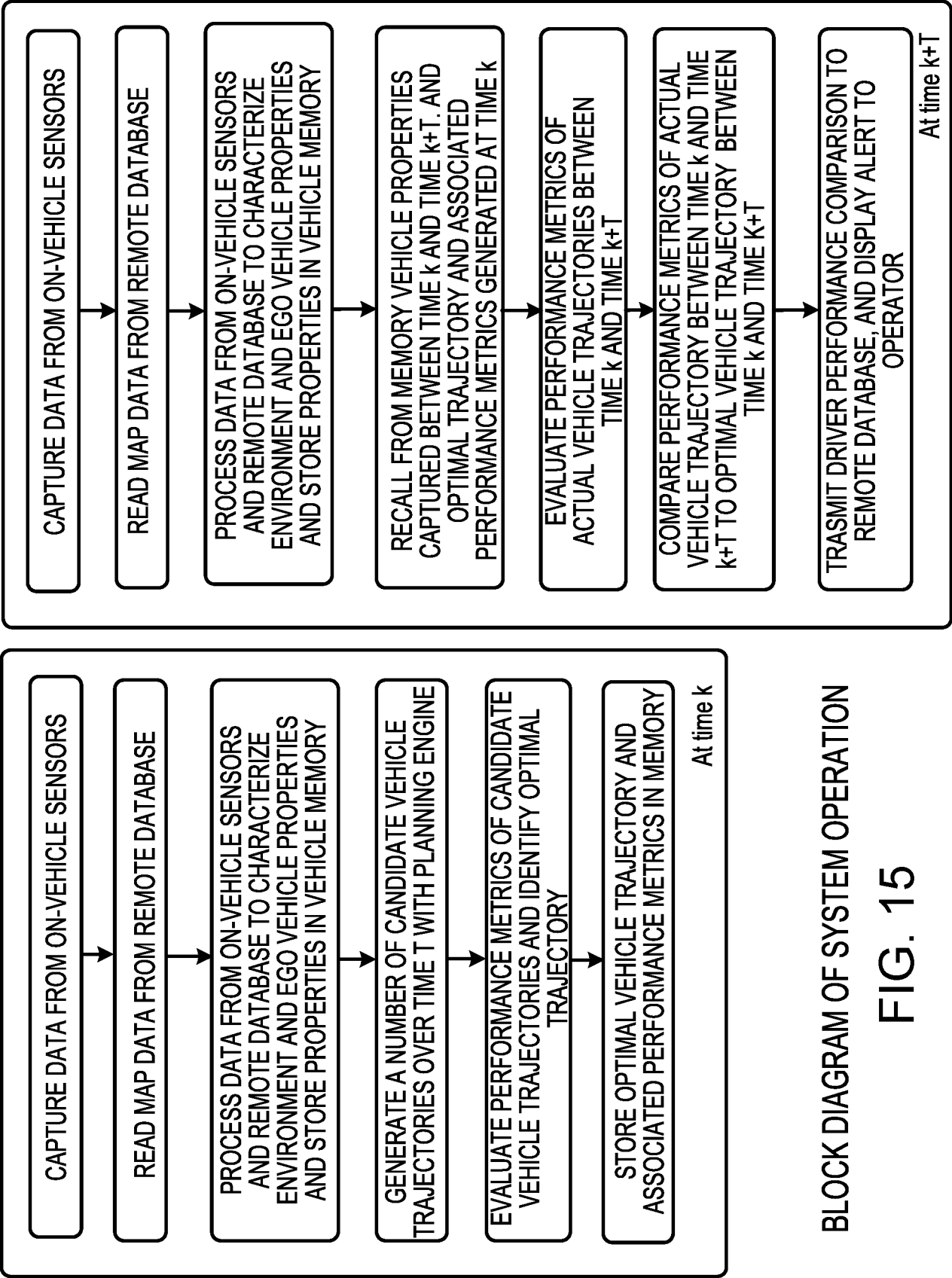
FIG. 12



TRAFFIC SCENARIO AT TIME k

FIG. 13





BLOCK DIAGRAM OF SYSTEM OPERATION

FIG. 15

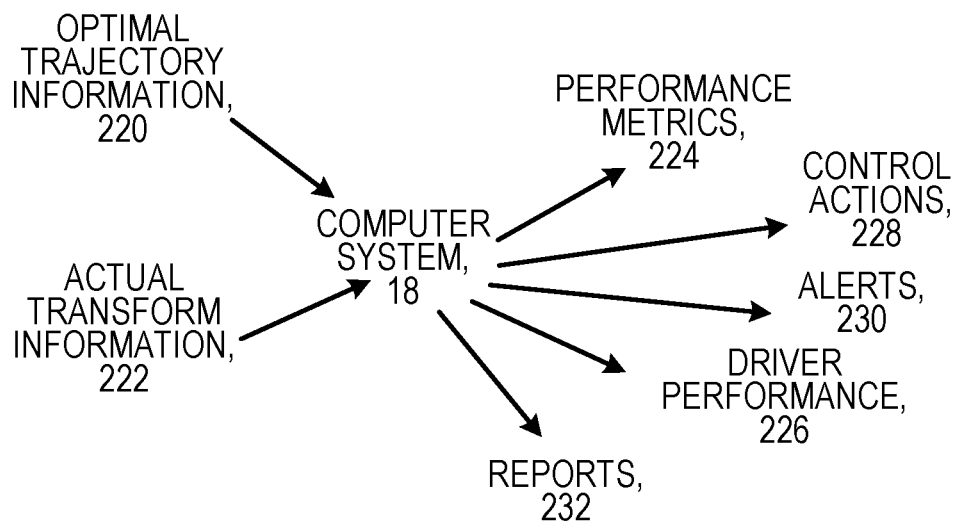


FIG. 16

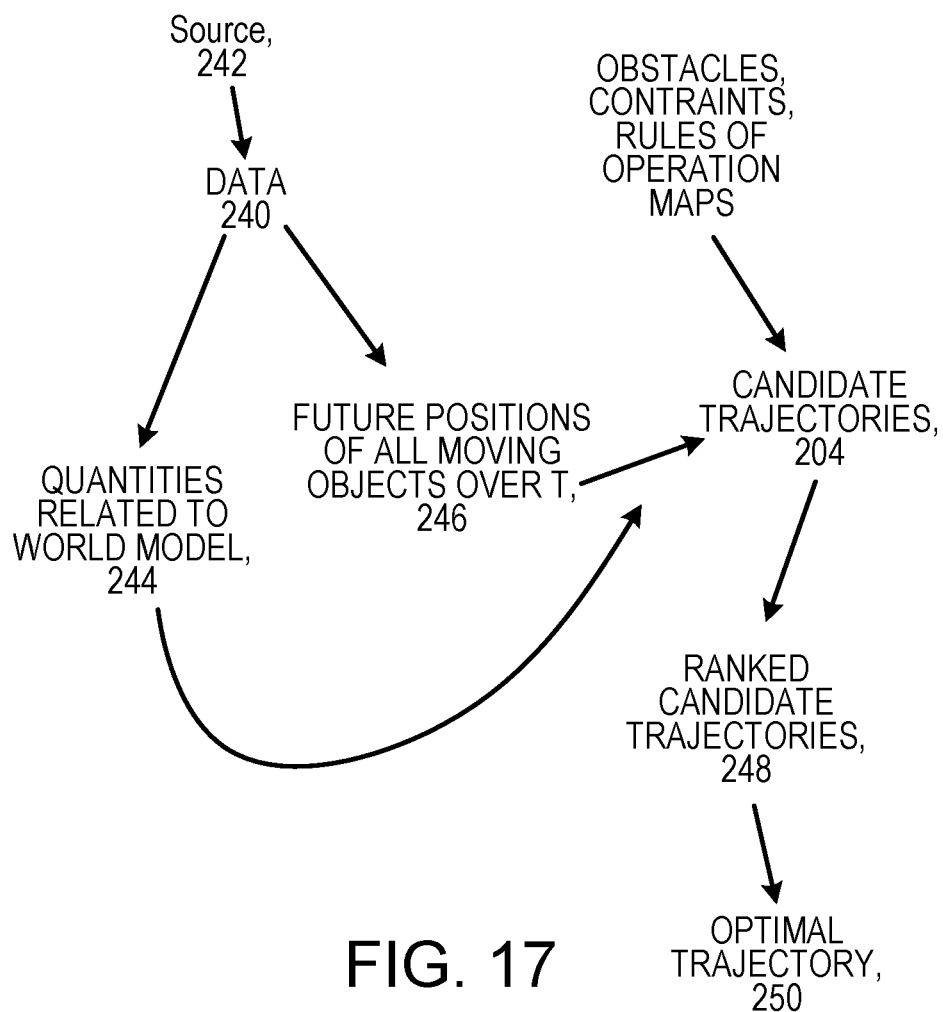


FIG. 17