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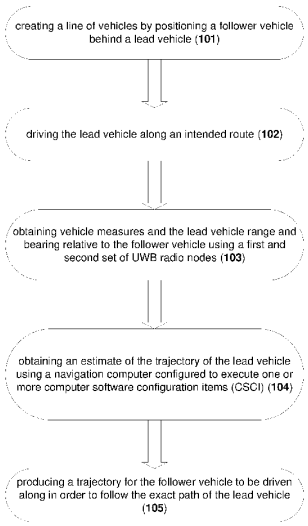


FIG. 4

(57) Abstract: The invention relates to a system and a method for coordinating the movement of vehicles in a convoy. An operator can set up the vehicles into a convoy by identifying a lead vehicle (LV) and one or more follower vehicles (FV's). The first vehicle acts as the leader while each of the other vehicles follows a vehicle in front of it. Each vehicle is equipped with an Inertial Navigation System and a set of Ultra-Wide Band radio nodes through which the vehicles can communicate with each other to provide vehicle measurements and obtain the LV's range and bearing relative to the FV's. Using a Computer Software Configuration Item, relative range and bearings of the vehicles can be estimated as well as the trajectory of the LV's such that FV's follow their respective LV.

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