Vehicle navigation system,comprises location module, microcontroller data processing unit, wireless communication equipment and pilot

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Abstract: NOVELTY - The invention relates to a vehicle navigation system for autonomous vehicles piloted by a human operator in order to reduce the travel time, to avoid traffic congestions and minimize the fuel consumption. According to the invention, the system comprises two subsystems, one being placed on the ground and comprising a pheromone server (11) running a software application meant to ensure the communication with some vehicles and to update a map (13) of the environment wherein there is integrated some information about the current position of the vehicles; the ground subsystem also comprises wireless communication equipments (12); the second subsystem is placed on the board of the vehicle and comprises a location module (23), a microcontroller data processing unit (24), a wireless communication equipment (22) and a pilot (21) which may be a human operator.

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