

ABSTRACT

WIRELESS COMMUNICATION ACCEPTANCE METHOD AND COMMUNICATION SYSTEM USING THE METHOD

5 A communication system comprises a communication management unit, an access point, and a plurality of traveling vehicles. The access point is connected to the communication management unit. Each vehicles includes a wireless communication unit. The communication system performs wireless polling communication between the communication management unit and the plurality of traveling vehicles via the access point at each predetermined polling cycle (T). In the communication
10 system, a process including a wireless communication object addition step is performed for accepting a new traveling vehicle as an object of wireless communication. In the wireless communication object addition step, a connection sequence for accepting the new traveling vehicle into the communication system is performed within the free time which is the time after the wireless polling communication between the communication management unit and the plurality of traveling vehicles
15 is completed and until an end of a period during which the wireless polling communication is possible, in the polling cycle (T).

Figure 3