

(54) Title of the invention : ARTIFICIAL INTELLIGENCE TECHNOLOGY BASED INTELLIGENT MOBILE ROBOT SYSTEM

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(57) Abstract :  
 Artificial intelligence technology based intelligent mobile robot system Abstract: If the environment is unfamiliar to this sensor-based mobile robot navigation system demonstrated in this paper, it makes no difference. An obstacle-filled environment can be navigated using Sun SPOT technology. In an unknown environment with obstacles, this system allows remote control of a mobile robot's movement. This feature is useful in many situations. Demonstrate the effectiveness and validity of the proposed fuzzy control strategy for a wheeled mobile robot. It avoids obstacles and keeps its speed constant. Khepera, an autonomous mobile robot with a free-range spot, was fitted with the remote method. This is exactly what happened. The results of the experiments and the positive results of avoiding obstacles in unfamiliar environments are used to demonstrate how and how well the sensor-based remote control strategy works.

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