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(57) Abstract :

The present disclosure relates to a gesture controlled robot to print lanes on a road using a liquid, said robot comprising a transmitter comprising a microcontroller, an accelerometer, an encoder, and an RF transmitter that are configured such that when the robot is powered on, said accelerometer is continuously monitored to generate data based on orientation of the accelerometer, said data being captured by said microcontroller and transmitted to said encoder, wherein said data received by the encoder is converted into serial data and transmitted by the RF Transmitter; and a receiver comprising a RF receiver that receives the serial data from the RF transmitter and transmits said serial data to a decoder, wherein the decoder converts the received serial data into parallel data that is transmitted to a motor driver in a manner such that movement of encoder motor that is operatively coupled with the motor driver is controlled.

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