

(54) Title of the invention : INLINE PIPE INSPECTION ROBOT

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(57) Abstract :
Our innovative pipeline inspection robot boasts a compact design and cutting-edge intelligence, revolutionizing the field of pipeline maintenance. With a primary focus on efficiency and accuracy, our robot is equipped to identify internal leakages, pinpoint blockages, and predict material deformations before they escalate into major issues. By combining advanced sensors, AI algorithms, and robust mechanical engineering, our solution offers unparalleled reliability and precision in pipeline inspection tasks. Our design not only streamlines maintenance operations but also enhances safety by minimizing the need for manual intervention in hazardous environments. Join us in ushering in a new era of pipeline maintenance with our state-of-the-art inspection robot. Accompanied Drawing [FIG. 1] [FIG. 2] [FIG. 3] [FIG. 4] [FIG. 5]

No. of Pages : 12 No. of Claims : 3