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(57) Abstract :

A pipe leakage repairing device, comprises of a housing 1 configured with multiple motorized wheels 2 to move housing 1, multiple telescopic bars 3 arranged between the wheels 2 and housing 1 for lifting housing 1, an artificial intelligence based imaging unit 4 installed on housing 1 to detect pipe's location, a robotic link 5 configured with a C-shaped member 6 integrated with moisture sensor for detecting moisture present on pipe, an ultrasonic sensor for detecting pipe diameter, a multi-sectioned chamber 7 mapped within housing 1 for dispensing scrap pieces via a motorized lid, a sliding unit 8 for positioning receptacle 9, a circular sliding arrangement 10 configured with a laser cutter 11 to cut scrap, a robotic arm 12 configured with a suction cup 13 to grip the structure and a glue dispensing unit 14 positioned within housing 1 for applying glue over structure.

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