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(57) Abstract :

A smart hose pipe device comprising of a body 1 crafted with a connector 2 to assist in association of the body 1 with a tap, a primary flow sensor 3 determines flow rate of fluid flowing through the connector 2 and the diameter sensor 4 determines diameter of the tap, a secondary flow sensor 5 integrated within a motorized spray head 6 to determine flow rate of fluid, a comparator 7 for determining difference between inlet and outlet flow rates, a microcontroller relays commands in case the difference in flow rates is above a threshold value, an Artificial Intelligence (AI) enabled camera 8 mounted on a sliding rail 9 for identifying areas of leakage, a telescopic arm 10 actuates to bring the dispensing unit 11 for patching of the leakages on the body 1. Ref Figure 1

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