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(57) Abstract :

A smart spanner comprising of a body 1 crafted with a handle 2, to hold the body 1, a spanner 3 for loosen/tighten the fasteners, a pressure sensor for determining pressure to be applied on the fasteners, an artificial intelligence (AI) camera 4 for capturing images of fastener, a microcontroller generates a command to actuate specific end of the spanner 3 to fix on the fastener, a photo acoustic fiber optic sensor mounted on a motorized slider 5 for monitoring level of rust, a chamber 6 mounted on a circular rack 7 and installed with a telescopic rod 8 for storing anti-rust liquid, nozzles 9 for dispensing the anti-rust liquid on the fastener, a rust removing unit 10 for scratching the rust from the fastener after dispensing on the anti-rust liquid in order to aid in proper cleaning of the fastener. Ref Figure 1

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