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(57) Abstract :

A system 100 of fire detection and controlling for a premise comprising a plurality of sensors configured in the closed structure 104 within the premise to detect one or more fire parameters and to transmit data to a control panel 204 configured with a fire control room 202. A plurality of drone units 302 configured with one or more sensors to transmit real-time data of the location and perform one or more functions instructed through its remote control unit 314. The fire control room 202 is communicatively coupled with the drones 302 through a mobile device 316, local fire station, and civil authorities with a wireless communication network 112 in case the fire becomes uncontrollable or needs more resources.

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