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(57) Abstract :

The present disclosure provides a system 100 for detecting fire in a premises, the system include sensors 102 for detecting one or more fire attributes in a pre-defined area, and image capturing units 104 for capturing images of the pre-defined area in the premises. The system includes a processing unit 108 configured for analysing one or more fire attributes and the images to detect level of fire in the premises accurately. Upon detection of breach of at least one of the one or more attributes of fire, a fluid pump 112 is actuated to dispense fire suppressing agent in the area where fire is found. Simultaneously, the processing unit 108 commands a smart door and window control module 116 to control opening and closing of door and window to assist the people in the premises.

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