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(51) International classification	:G01J0005000000, A61B0005000000, A61B0005080000, B05B0012120000, G01R0031400000	(71) <b>Name of Applicant :</b> <b>1)Chitkara Innovation Incubator Foundation</b> Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
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(57) Abstract :

The present disclosure provides a device for system for real-time monitoring of trees 112. The system 100 includes first sensors 102 and fire detectors 104 attached to trees 112. The first sensors 102 can sense any or a combination of kinesiological parameters and acoustic parameters associated with the attached trees 112. The fire detectors 104 detect combustion parameters associated with the trees 112. The system 100 includes a monitoring unit 108 operatively coupled to the first sensors 102 and the fire detectors 104, and generate a warning signal when any or a combination of the sensed kinesiological parameters and the sensed acoustic parameters exceed a first pre-determined value.

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