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(71)Name of Applicant :

**1)Dr. SOWMYA KONERU**Address of Applicant :G1,Plot No  
143,Chavadi Residency, RTC Colony  
4th Rd, Pantakaluva Road, Patamata,  
Vijayawada, Andhra Pradesh, Pin:  
520010 Andhra Pradesh India**2)Dr. K. SWATHI****3)Mr. RAMGOPAL MUSUNURU****4)Prof V. V. SUBRAHMANYAM****5)Dr. M. ARUNA SAFALI****6)Mrs. T. HARITHA**

(72)Name of Inventor :

**1)Dr. SOWMYA KONERU****2)Dr. K. SWATHI****3)Mr. RAMGOPAL MUSUNURU****4)Prof V. V. SUBRAHMANYAM****5)Dr. M. ARUNA SAFALI****6)Mrs. T. HARITHA**

(57) Abstract :

Autonomous Sterilized Thermal Sensing System for virus scanning during epidemics is to avoid or minimize human intervention and speed up the process of thermal scanning and control the spread of infection. Social closeness may increase the spread of the contagion. The less number of humans involved or the less time with crowd, the better the situation will be. But there might be minimum needs which make people to move in the society. The proposed autonomous thermal sensing system minimizes human involvement and reduces the spread serving the purpose. Brief description of the system Epidemic virus outbreak is a situation which creates the spread of virus through various reasons like contact or closeness of a person who is infected due to the virus. The virus spreads rapidly in an exponential way. Unfortunately humans travelling from one country to another country become serious carriers of virus unknowingly. To restrict the outbreak and subside the situation to limit the spread of epidemic, all the channels leading into the nation are screened thoroughly. For this thermal sensing of the passengers is quite essential primary step. Thermal sensors are operated and the results are directly verified by a paramedical assistant. These paramedical assistants are more prone to get infected by the contagion. The situation can be convalesced by providing an Automatic Thermal Sensor System. This system can be further sanitized automatically immediately after each use so that infection do not spread to others.

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