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(57) Abstract :

A sensor-based room heater (100) and a method (200) for detecting emission of carbon monoxide. The sensor-based room heater (100) includes a carbon monoxide (CO) sensor (102) for detecting level of carbon monoxide and a controller (104) to receive data from the CO sensor (102) and determine if the level of CO is within safe limits. The controller (104) switches off the sensor-based room heater (100) on being the level of CO above a threshold limit. The sensor-based room heater (100) helps improve indoor air quality by reducing the amount of CO released into the air. The sensor-based room heater (100) is easy to use and requires minimal maintenance. The sensor-based room heater (100) is built to last, with many models featuring durable components and a long lifespan. The sensor-based room heater (100) is cost-effective.

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