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APPLICANT NAME	K. J. SOMAIYA COLLEGE OF ENGINEERING
TITLE OF INVENTION	A SOLAR ENERGY BASED WASTE INCINERATION AND GAS AND LIQUID HEATER DEVICE
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(54) Title of the invention : A SOLAR ENERGY BASED WASTE INCINERATION AND GAS AND LIQUID HEATER DEVICE

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(57) Abstract :

The invention relates to solar energy based waste incineration device which incinerates the waste feed for generation of heat energy. Further the heat energy generated is used for heating of gaseous and liquid materials. Waste is produced around the world by various industries, hospitals, commercial entities and residential entities. Its incineration need incineration plants requiring high amount of energy for combustion and produce high amount of pollutants. The most common energy sources are fossil fuels and coal, their combustion produces high amount of harmful carbon monoxide. Another major issue with waste incineration plants are they consume replenishing energy source. The invention is developed for overcoming the problems related with prior incineration plant by providing waste incineration and gas and liquid heater device (200) using only solar energy and is a dual heat recovery system for heating liquids and gases. It can be used flexibly because of the portable nature. Refer FIGURE 1

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