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(57) Abstract :

A thermal efficient cook stove is disclosed. The stove includes: a chamber having a plurality of holes; a combustion grate disposed inside the chamber at a predefined distance from top side of the chamber; a secondary fan fitted with the chamber to flow ambient air through the plurality of holes into the chamber; a primary fan fitted with the chamber such that the ambient air from the secondary fan is forced towards the combustion grate to facilitate combustion of fuel on the combustion grate; and a control unit operatively coupled to the primary fan and the secondary fan to control the speed of the primary and the secondary fan to enable combustion of the fuel efficiently.



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