A low-cost multi-fuel biomass furnace for food processing in rural areas

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A low-cost, multi-fuel biomass furnace of about 170–670 kW (thermal) capacity for food processing has been developed for rural areas. The biomass combustion in the furnace is clean, with very little smoke. Such small, clean biomass-burning furnaces are not available in India; hence, their development will fill the need gap. Details of the development are presented in the present communication.

Keywords: Food processing, loose biomass furnace, rural areas, sweet sorghum syrup.