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(54) Title of the invention : A HEAT SHIELD

(51) International classification	:A47J0036360000, C30B0029060000, C09K0005100000, F02C0007240000, F24C0015280000	(71) <b>Name of Applicant :</b> <b>1)PANDIT DEENDAYAL PETROLEUM UNIVERSITY</b> Address of Applicant :Pandit Deendayal petroleum University Raisan Village Gandhinagar Gujarat, India 382 007 Gujarat India
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(57) Abstract :

Abstract of A Heat Shield • This invention provides a heating apparatus with a heat shield to fuel assisted kitchen and domestic heating applications which minimizes fuel consumption as well. It provides the composite or heterogeneous heat shield which reduces the significant amount of thermal losses thereby increases heating efficiency and reduces the heating time. The heat shield further encloses the flame or combusting fuels in the kitchen applicators from the bottom as well as the sideways, which minimize the convective heat losses. It provides the domestic heating apparatus with an inner reflecting layer (102) with concave curvature which is connected to the center hole (103), shield wall (104), air vents (105) and external layer (106). Figure 1

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