

NEW PATENTS

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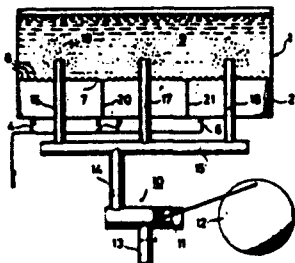
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FLUIDIZED BED FURNACE

Helmu Hein; assigned to Steag AG



A fluidized bed furnace having a vessel with cooled or insulated walls and an inflow plate. A fluidized bed of inert material is maintained by air nozzles in the inflow plate and heated to the ignition temperature of coal. Pressure pipes deliver the coal and, if appropriate, additives such as lime, into the vessel below the upper boundary of the fluidized bed for combustion.