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(57) Abstract :

The proposed invention discloses a furnace (100) for applying heat treatment to a material. The furnace (100) comprises a casing (102) configured to receive the material inside through a pulley arrangement (112). With the help of the pulley arrangement (112), the material is hung inside the casing (102), and a pair of heating coils 116 attached inside the casing (102) heat the received material at a required temperature to achieve an appropriate temperature to facilitate heat treatment. Additionally, a set of supporting members (118) is attached to an outside wall of the casing, where the set of supporting members (118) provides support to a set of legs (120), and the set of supporting members is attached such that the casing is positioned in any of a vertical position and a horizontal position, based on the requirement.

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