

## ABSTRACT

### COMBUSTION SUPPORTING DEVICE

A combustion supporting device is provided to be used with a combustion furnace. The combustion supporting device includes a cone body, a tubular member, a cone-shaped member, a base plate and a supporting portion. An upper end of the tubular member is connected to the cone body. The tubular member defines a plurality of gas holes around an upper portion thereof. The cone-shaped member defines an insertion opening thereon. The diameter of the insertion opening corresponds to the outer diameter of the tubular member. A lower portion of the tubular member is passing through the insertion opening and received in the cone-shaped member. The base plate defines a hole corresponding to the tubular member. The base plate is connected to a bottom of the cone-shaped member. The hole communicates with a lower opening of the tubular member. The supporting portion is connected to the base plate.

15 FIG. 4