

ABSTRACT:

SHEATHED HEATER

A sheathed heater wherein before the sheathed heater is assembled, an oxide film is formed on the inner peripheral surface (2, 23) of a metal pipe, and/or the outer surfaces of an internal heater (8, 28, 38) and lead pins (7, 27) thereof which are inserted into the metal pipe (1, 21) by heating them in the presence of oxygen or by applying chemicals thereto, and a heat resistive insulation material member (10, 29) is filled in a space formed between the metal pipe (1, 21) and the internal heater (8, 28, 38). The color of the oxide film thus formed is light brown, brown or black.

Fig. No 3

