

Three-tube burner for furnaces, especially glass and metallurgical furnaces, and method of injecting fuel and oxidizer by means of such a burner

ABSTRACT

To reduce the overall size of and to simplify the supply for three-tube burners, and to allow easier interchangeability with two-tube burners, the burner (Br) comprises an inlet (5) for a fuel and a fuel feed tube (2) connected to this fuel inlet, an inlet (6) for an oxidizer and two oxidizer feed tubes (1, 3) connected to this oxidizer inlet, and a control valve (7, 9) for controlling the distribution of the oxidizer between the two oxidizer feed tubes (1, 3). By means of this burner, and more specifically of the control valve (7, 9), the distribution of the oxidizer between the two oxidizer feed tubes (1, 3) may be continuously adjusted.

Possible use in glass or metallurgical furnaces.

Figure 3.